Welcome to STN International! Enter x:x

LOGINID: SSSPTA1208DXJ

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

```
Welcome to STN International
NEWS
                 Web Page URLs for STN Seminar Schedule - N. America
NEWS
         Apr 08
                 "Ask CAS" for self-help around the clock
NEWS
         Apr 09
                 BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS
         Apr 09
                 ZDB will be removed from STN
         Apr 19
NEWS
                 US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
         Apr 22
NEWS
                 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS
         Apr 22
                 BIOSIS Gene Names now available in TOXCENTER
NEWS
         Apr 22
                 Federal Research in Progress (FEDRIP) now available
                 New e-mail delivery for search results now available
NEWS
         Jun 03
NEWS 10
         Jun 10
                 MEDLINE Reload
                 PCTFULL has been reloaded
NEWS 11
         Jun 10
NEWS 12
         Jul 02
                 FOREGE no longer contains STANDARDS file segment
NEWS 13
         Jul 22
                 USAN to be reloaded July 28, 2002;
                 saved answer sets no longer valid
NEWS 14
         Jul 29
                 Enhanced polymer searching in REGISTRY
NEWS 15
         Jul 30
                 NETFIRST to be removed from STN
NEWS 16
         Aug 08
                 CANCERLIT reload
NEWS 17
         Aug 08
                 PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18
         Aug 08
                 NTIS has been reloaded and enhanced
NEWS 19
         Aug 19
                 Aquatic Toxicity Information Retrieval (AQUIRE)
                 now available on STN
NEWS 20
         Aug 19
                 IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21
                 The MEDLINE file segment of TOXCENTER has been reloaded
         Aug 19
NEWS 22
                 Sequence searching in REGISTRY enhanced
         Aug 26
NEWS 23
         Sep 03
                 JAPIO has been reloaded and enhanced
NEWS 24
         Sep 16 Experimental properties added to the REGISTRY file
NEWS 25
         Sep 16 CA Section Thesaurus available in CAPLUS and CA
NEWS 26 Oct 01
                CASREACT Enriched with Reactions from 1907 to 1985
NEWS 27
        Oct 21 EVENTLINE has been reloaded
NEWS 28 Oct 24 BEILSTEIN adds new search fields
NEWS 29 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 30 Oct 25 MEDLINE SDI run of October 8, 2002
NEWS 31 Nov 18 DKILIT has been renamed APOLLIT
NEWS 32 Nov 25
                More calculated properties added to REGISTRY
NEWS 33 Dec 02
                TIBKAT will be removed from STN
NEWS 34 Dec 04
                CSA files on STN
NEWS 35 Dec 17
                 PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 36 Dec 17
                 TOXCENTER enhanced with additional content
NEWS 37 Dec 17
                 Adis Clinical Trials Insight now available on STN
NEWS 38 Dec 30
                 ISMEC no longer available
NEWS 39
         Jan 21
                 NUTRACEUT offering one free connect hour in February 2003
NEWS 40
         Jan 21
                 PHARMAML offering one free connect hour in February 2003
NEWS 41
        Jan 29
                 Simultaneous left and right truncation added to COMPENDEX,
                 ENERGY, INSPEC
                 CANCERLIT is no longer being updated
NEWS 42
        Feb 13
NEWS 43
        Feb 24
                METADEX enhancements
NEWS 44
        Feb 24
                PCTGEN now available on STN
NEWS 45
        Feb 24
                TEMA now available on STN
NEWS 46
                NTIS now allows simultaneous left and right truncation
        Feb 26
NEWS 47 Feb 26 PCTFULL now contains images
```

NEWS 48 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results NEWS 49 Mar 19 APOLLIT offering free connect time in April 2003 NEWS 50 Mar 20 EVENTLINE will be removed from STN NEWS 51 Mar 24 PATDPAFULL now available on STN

NEWS 52 Mar 24 Additional information for trade-named substances without structures available in REGISTRY

NEWS 53 Mar 24 Indexing from 1957 to 1966 added to records in CA/CAPLUS

NEWS EXPRESS January 6 CURRENT WINDOWS VERSION IS V6.01a,
CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002
NEWS HOURS STN Operating Hours Plus Help Desk Availability

NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items

NEWS PHONE Direct Dial and Telecommunication Network Access to STN NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 13:28:39 ON 26 MAR 2003

=> fil .search
COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 0.21 0.21

FULL ESTIMATED COST

FILE 'MEDLINE' ENTERED AT 13:28:45 ON 26 MAR 2003

FILE 'CAPLUS' ENTERED AT 13:28:45 ON 26 MAR 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'BIOSIS' ENTERED AT 13:28:45 ON 26 MAR 2003 COPYRIGHT (C) 2003 BIOLOGICAL ABSTRACTS INC.(R)

FILE 'USPATFULL' ENTERED AT 13:28:45 ON 26 MAR 2003 CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'EMBASE' ENTERED AT 13:28:45 ON 26 MAR 2003 COPYRIGHT (C) 2003 Elsevier Science B.V. All rights reserved.

=> s microcapsul?

L1 32716 MICROCAPSUL?

=> s l1 and (cell(w)aggreg?)
L2 167 L1 AND (CELL(W) AGGREG?)

=> s 12 and crosslink?

L3 105 L2 AND CROSSLINK?

=> s 13 and core? L4 66 L3 AND CORE?

=> dup rem 14
PROCESSING COMPLETED FOR L4
L5 66 DUP REM L4 (0 DUPLICATES REMOVED)

=> d ibib ab 1-YOU HAVE REQUESTED DATA FROM 66 ANSWERS - CONTINUE? Y/(N):y <C

```
L5 ANSWER 1 OF 66 USPATFULL
ACCESSION NUMBER: 2003:79288 USPATFULL
TITLE: Secreted and transmember
                                                                                                                                                                                                                                                                                                                                              L5 ANSWER 1 OF 66 USPATFULL (Continued)
No. US 6455283 Continuation of Ser. No. US
                                                                                       2003:79288 USPATFULL
Secreted and transmembrane polypeptides and nucleic acids encoding the same
Ashkenazi, Avi J., San Mateo, CA, UNITED STATES
Baker, Kevin P., Darneatown, MD, UNITED STATES
BOUSTEIN, David, Belmont, CA, UNITED STATES
BOUSTEIN, David, Belmont, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Forg, Sherman, Alameda, CA, UNITED STATES
Fong, Sherman, Alameda, CA, UNITED STATES
God, Wei-Oing, Palo Alto, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Goritisen, Mary E., San Mateo, CA, UNITED STATES
Goddwaki, Paul J., Burlingame, CA, UNITED STATES
Grimaldi, J. Christopher, San Francisco, CA, UNITED
                                                                                                                                                                                                                                                                                                                                                                                                                                       filed on 12 Mar 1999, ABANDONED Continuation of Ser. No. US 1999-284291, filed on 12 Apr 1999, ABANDONED Continuation of Ser. No. US 1999-31832, filed on 14 May 1999, PENDING Continuation of Ser. No. US 380137, PENDING Continuation of Ser. No. US 380137, PENDING Continuation of Ser. No. US 1999-380138, filed on 25 Aug 1999, ABANDONED Continuation of Ser. No. US 1999-380142, filed on 25 Aug 1999, ABANDONED Continuation of Ser. No. US 2000-709238, filed on 8
                                                                                                                                                                                                                                                                                                                                              1999-267213,
INVENTOR(S):
                                                                                                                                                                                                                                                                                                                                               Nov
                                                                                                                                                                                                                                                                                                                                                                                                                                         2000, ABANDONED Continuation of Ser. No. US
2000-723749, filed on 27 Nov 2000, PENDING
                                                                                                                                                                                                                                                                                                                                              Continuation
                                                                                                                                                                                                                                                                                                                                                                                                                                       of Ser. No. US 2000-747259, filed on 20 Dec 2000, PENDING Continuation of Ser. No. US 2001-816744, filed on 22 Mar 2001, PENDING Continuation of Ser. No. US 2001-816920, filed on 22 Mar 2001, PENDING
                                                                                      Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES Gurney, Austin L., Belmont, CA, UNITED STATES Hillan, Kenneth J., San Francisco, CA, UNITED STATES Kljavin, Ivar J., Lafayette, CA, UNITED STATES Klqavin, Ivar J., Lafayette, CA, UNITED STATES Klqo, Sophia S., San Francisco, CA, UNITED STATES Napier, Mary A., Hillaborough, CA, UNITED STATES Pan, James, Belmont, CA, UNITED STATES Pani, Nicholas F., Belmont, CA, UNITED STATES Paoni, Nicholas F., Belmont, CA, UNITED STATES Shelton, David L., Oakland, CA, UNITED STATES Stewart, Timothy A., San Francisco, CA, UNITED STATES Tumas, Daniel, Orinda, CA, UNITED STATES Tumas, Daniel, Orinda, CA, UNITED STATES Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES Wood, William I., Hilsborough, CA, UNITED STATES Genentech, Inc. (U.S. corporation)
                                                                                                                                                                                                                                                                                                                                              Continuation
                                                                                                                                                                                                                                                                                                                                                                                                                                       of Ser. No. US 2001-854280, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-854208, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-870305, filed on 1 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-874503, filed on 5
                                                                                                                                                                                                                                                                                                                                              Jun
                                                                                                                                                                                                                                                                                                                                                                                                                                       2001, PENDING Continuation of Ser. No. US 2001-882636, filed on 14 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-886342, filed on 19 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-918585, filed on 30 Jul 2001, PENDING
PATENT ASSIGNEE(S):
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DATE
                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER
W0 1998-US21141
W0 1998-US21455
W0 1999-US106
W0 1999-US105
W0 1999-US10733
W0 1999-US10733
W0 1999-US28551
W0 1999-US28551
W0 1999-US28551
W0 1999-US28551
W0 1999-US312474
W0 2000-US312674
W0 2000-US2179
W0 2000-US2179
W0 2000-US3765
W0 2000-US5504
W0 2000-US58414
W0 2000-US58419
W0 2000-US58419
W0 2000-US58419
                                                                                                                                     KIND
                                                                                                            NUMBER
                                                                                                                                                                                     DATE
                                                                                                                                                                                                                                                                                                                                              PRIORITY INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19981007
                                                                                        US 2003055216 Al 20030320
US 2001-978824 Al 20011017 (9) Continuation of Ser. No. US 1998-40220, filed on 17
PATENT INFORMATION:
APPLICATION INFO.:
RELATED APPLN. INFO.:
Mar
                                                                                         1998, GRANTED, Pat. No. US 6391311 Continuation of
Ser.
                                                                                        No. US 1998-105413, filed on 26 Jun 1998, ABANDONED Continuation of Ser. No. US 1998-168978, filed on 7
Oct
                                                                                        1998, ABANDONED Continuation of Ser. No. US
1998-184216, filed on 2 Nov 1998, ABANDONED
Continuation of Ser. No. US 1998-187368, filed on 6
Nov
                                                                                        1998, PENDING Continuation of Ser. No. US 1998-202054, filed on 7 Dec 1998, PENDING Continuation of Ser. No. US 1998-218517, filed on 22 Dec 1998, ABANDONED Continuation of Ser. No. US 1999-254465, filed on 5
Mar
                                                                                        1999, GRANTED, Pat. No. US 6410708 Continuation of
Ser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20000310
                                                                                        No. US 1999-265686, filed on 10 Mar 1999, GRANTED,
Pat.
                ANSWER 1 OF 66 USPATFULL
                                                                                                                               (Continued)
                                                                                                                                                                                                                                                                                                                                             L5 ANSWER 1 OF 66 USPATFULL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (Continued)
                                                                                       WO 2000-US13705 20000517
                                                                                                                                                                                                                                                                                                                                                                                                                                       US 1998-82804P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              19980422 (60)
```

WO 2000-US14042	20000522	US 1998-82700P 19	980422	(60)
WO 2000-US14941	20000530	US 1998-82797P 19	980422	(60)
WO 2000-US15264	20000602	US 1998-82796P 19	980423	(60)
WO 2000-US20710	20000728		980427	
WO 2000-US23328	20000824		980428	
WO 2000-US32678	20001201		980429	
WO 2000-US34956	20001220		980429	
WO 2001-US6520	20010228		980429	
WO 2001-US9552	20010322		980429	
WO 2001-US17092	20010521		980429	
WO 2001-US17800	20010601		980429	
WO 2001-US19692	20010620		980429	
WO 2001-US21066	20010629			
WO 2001-US21735	20010709		980429	
US 1997-62250P	19971017 (60		980429	
US 1997-64249P			980430	
	19971103 (60		980505	
US 1997-65311P	19971113 (60		980506	
US 1997-66364P	19971121 (60		980506	
US 1998-77450P	19980310 (60		980507	
US 1998-77632P	19980311 (60		980507	
US 1998-77641P	19980311 (60		980507	
US 1998-77649P	19980311 (60		980507	(60)
US 1998-77791P	19980312 (60		980507	(60)
US 1998-78004P	19980313 (60		980507 ((60)
US 1998-78886P	19980320 (60		980507	(60)
US 1998-78936P	19980320 (60		980513	(60)
US 1998-78910P	19980320 (60		980513	(60)
US 1998-78939P	19980320 (60	50) US 1998-85323P 19	980513	(60)
US 1998-79294P	19980325 (60	50) US 1998-85582P 19	980515	(60)
US 1998-79656P	19980326 (60	50) US 1998-85700P 19	980515	(60)
US 1998-79664P	19980327 (60		980515	
US 1998-79689P	19980327 (60		980515	
US 1998-79663P	19980327 (60		980515	
US 1998-79728P	19980327 (60		980515	
US 1998-79786P	19980327 (60		980515	
US 1998-79920P	19980330 (60		980515	
US 1998-79923P	19980330 (60		980518 (
US 1998-80105P	19980331 (60	00 1370 000001	980522	
US 1998-80107P	19980331 (60		980522 (
US 1998-80165P	19980331 (60		980522 (
US 1998-80194P	19980331 (60		980522 (
US 1998-80327P	19980401 (60		980528 (
US 1998-80328P	19980401 (60			
US 1998-80333P	19980401 (60		980528 (
US 1998-80334P	19980401 (60		980528 (
US 1998-80334P	19980401 (60		980626 (
US 1996-18049P	19980408 (60		980626 (
			980701 (
US 1998-81071P	19980408 (60		980730 (
US 1998-81195P	19980409 (60		980911 (
US 1998-81203P	19980409 (60		981120 (
US 1998-81229P	19980409 (60		981222 (
US 1998-81955P	19980415 (60		981223 (
US 1998-81817P	19980415 (60		990312 (
US 1998-81819P	19980415 (60		990329 (
US 1998-81952P	19980415 (60		990421 (
US 1998-81838P	19980415 (60		990426 (60)
US 1998-82568P	19980421 (60		990428 (60)
US 1998-82569P	19980421 (60		990514 ((60)
US 1998-82704P	19980422 (60	(0) US 1999-139557P 19	990616 ((60)

L5

```
ANSWER 1 OF 66 USPATFULL (Continued)
US 1999-141037P 19
US 1999-142680P 19
US 1999-145688P 19
US 1999-146222P 19
US 1999-162506P 19
                                                                                                                                                                      ed)
19990623 (60)
19990707 (60)
19990726 (60)
19990728 (60)
19991029 (60)
 DOCUMENT TYPE:
                                                                                               Utility
APPLICATION
 FILE SEGMENT:
LEGAL REPRESENTATIVE:
                                                                                             Ginger R. Dreger, Esq., Knobbe Martens Olson & Bear,
201 California Street, Suite 1150, San Francisco, CA,
94111
NUMBER OF CLAIMS: 57
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 237 Drawing Page(s)
LINE COUNT: 21577
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences,
                           or polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.
               ANSWER 2 OF 66 USPATFULL (Continued)
No. US 6455283 Continuation of Ser. No. US
                                                                                           filed on 12 Mar 1999, ABANDONED Continuation of Ser.
No. US 1999-284291, filed on 12 Apr 1999, ABANDONED
Continuation of Ser. No. US 1999-31832, filed on 14
May 1999, PENDING Continuation of Ser. No. US 360137,
PENDING Continuation of Ser. No. US 1999-380138, filed
on 25 Aug 1999, ABANDONED Continuation of Ser. No. US
1999-380142, filed on 25 Aug 1999, ABANDONED
Continuation of Ser. No. US 2000-709238, filed on 8
                                                                                             2000, ABANDONED Continuation of Ser. No. U
2000-723749, filed on 27 Nov 2000, PENDING
Continuation
                                                                                             of Ser. No. US 2000-747259, filed on 20 Dec 2000, PENDING Continuation of Ser. No. US 2001-816744, filed on 22 Mar 2001, PENDING Continuation of Ser. No. US 2001-816920, filed on 22 Mar 2001, PENDING
Continuation
                                                                                           of Ser. No. US 2001-854280, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-854208, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-872035, filed on 1 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-874503, filed on 5
                                                                                           2001, PENDING Continuation of Ser. No. US 2001-882636, filed on 14 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-886342, filed on 19 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-918585, filed on 30 Jul 2001, PENDING
                                                                                                                       NUMBER
                                                                                         NUMBER
WO 1998-US21141
WO 1998-US24855
WO 1999-US106
WO 1999-US108
WO 1999-US108
WO 1999-US10733
WO 1999-US12352
WO 1999-US23851
WO 1999-US23851
WO 1999-US23851
WO 1999-US23850
WO 1999-US31274
WO 2000-US3167
WO 2000-US3165
WO 2000-US3619
WO 2000-US5841
WO 2000-US5841
WO 2000-US58419
WO 2000-US14044
WO 2000-US14044
WO 2000-US14941
WO 2000-US14944
                                                                                                                                                                    19981007
19981120
19990105
PRIORITY INFORMATION:
                                                                                                                                                                   19990310
19990514
19990514
1999130
1999130
19991202
19991202
19991230
20000105
20000106
20000214
20000212
20000224
2000032
2000037
2000037
2000052
2000052
2000052
```

```
L5 ANSWER 2 OF 66
ACCESSION NUMBER:
TITLE:
Secreted and transmembrane polypeptides and nucleic acids encoding the same
Anhkenazi, Avi J., San Mateo, CA, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Betein, David, Belmont, CA, UNITED STATES
Deanoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Ferrare, Napoleone, San Francisco, CA, UNITED STATES
Filvaroff, Ellen, San Prancisco, CA, UNITED STATES
Goo, Wei-Glang, Pelo Alto, CA, UNITED STATES
Gerritaen, Mary E., San Mateo, CA, UNITED STATES
Goddward, Audrey, San Francisco, CA, UNITED STATES
Grimaldi, J. Christopher, San Francisco, CA, UNITED
                                                                                                                         Grimaidi, J. Christopher, San Francisco, CA, UNITED STATES Gurney, Austin L., Belmont, CA, UNITED STATES Hillan, Kenneth J., San Francisco, CA, UNITED STATES Kljavin, Ivar J., Lefayette, CA, UNITED STATES Klowin, Ivar J., Lefayette, CA, UNITED STATES Kuo, Sophia S., San Francisco, CA, UNITED STATES Napier, Mary A., Hillaborough, CA, UNITED STATES Pan, James, Belmont, CA, UNITED STATES Pani, Nicholas F., Belmont, CA, UNITED STATES Paoni, Nicholas F., Belmont, CA, UNITED STATES Roy, Margaret Ann, San Francisco, CA, UNITED STATES Shelton, David L., Oakland, CA, UNITED STATES Stewart, Timothy A., San Francisco, CA, UNITED STATES Tumas, Daniel, Orinda, CA, UNITED STATES Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES Wood, William I., Hillsborough, CA, UNITED STATES GENENTECH, INC. (U.S. corporation)
   PATENT ASSIGNEE(S):
                                                                                                                                                    NUMBER
                                                                                                                                                                                                                KIND
                                                                                                                           US 2003054986 Al 20030320
US 2001-981915 Al 20011016 (9)
Continuation of Ser. No. US 1998-40220, filed on 17
     PATENT INFORMATION
   APPLICATION INFO.:
RELATED APPLN. INFO.:
                                                                                                                             1998, GRANTED, Pat. No. US 6391311 Continuation of
   Ser
                                                                                                                          No. US 1998-105413, filed on 26 Jun 1998, ABANDONED Continuation of Ser. No. US 1998-168978, filed on 7
   Oct
                                                                                                                             1998, ARANDONED Continuation of Ser. No. US
1998-184216, filed on 2 Nov 1998, ARANDONED
Continuation of Ser. No. US 1998-187368, filed on 6
                                                                                                                             1998, PENDING Continuation of Ser. No. US 1998-202054, filed on 7 Dec 1998, PENDING Continuation of Ser. No. US 1998-218517, filed on 22 Dec 1998, ABANDONED Continuation of Ser. No. US 1999-254465, filed on 5
   Mar
                                                                                                                           1999, GRANTED, Pat. No. US 6410708 Continuation of
   Ser
                                                                                                                          No. US 1999-265686, filed on 10 Mar 1999, GRANTED,
```

AMERICA A						
ANSWER 2 (OF 66	USPAT		Continue		
		WO WO			20000728	
		WO			20000824	
		WO	2000-US3 2000-US3		20001201	
					20001220	
		WO	2001-US6		20010228	
		wo	2001-US9		20010322	
		wo	2001-US1		20010525	
		WO	2001-US1		20010601	
		WO	2001-US1		20010620	
		WO	2001-US2		20010629	
		WO	2001-US2		20010709	
		US	1997-622		19971017	(60)
		US	1997-642		19971103	(60)
		US	1997-653		19971113	(60)
		υs	1997-663		19971121	(60)
		US	1998-774		19980310	(60)
		US	1998-776	32P	19980311	(60)
		US	1998-776	41P	19980311	(60)
		US	1998-776	49P	19980311	(60)
		US	1998-777	91P	19980312	(60)
		US	1998-780	04P	19980313	(60)
		US	1998-788	86P	19980320	(60)
		US	1998-789	36P	19980320	(60)
		US	1998-789	10P	19980320	(60)
		US	1998-789	39P	19980320	(60)
		US	1998-792	94 P	19980325	(60)
		US	1998-796		19980326	(60)
		US	1998-796	64P	19980327	(60)
		US	1998-796		19980327	(60)
		US	1998-796	63 P	19980327	(60)
		US	1998-797	28 P	19980327	(60)
		US	1998-797		19980327	(60)
		US	1998-799		19980330	(60)
		US	1998-799		19980330	(60)
		US	1998-801		19980331	(60)
		US	1998-801		19980331	(60)
		us	1998-801		19980331	(60)
		US	1998-801		19980331	(60)
		US	1998-803		19980401	(60)
		US	1998-803		19980401	(60)
		US	1998-803		19980401	(60)
		US	1998-803		19980401	(60)
		บร	1998-810		19980408	(60)
		US	1998-8104		19980408	(60)
		US	1998-810		19980408	(60)
		US	1998-811		19980409	(60)
		US	1998-8120		19980409	(60)
		US	1998-812		19980409	(60)
		US	1998-8195		19980415	(60)
		US	1998-818		19980415	(60)
		US	1998-8181		19980415	(60)
		US	1998-819		19980415	(60)
		US	1998-8183		19980415	(60)
		US	1998-8256		19980415	(60)
		US	1998-8256		19980421	(60)
		US	1998-8250		19980421	
		US	1998-8270		19980422	(60) (60)
		US	1998-8280			
		US	1998-8270		19980422	(60)
		US	1998-8279		19980422 19980423	(60) (60)
		Ų5	1330-02/5	, , ,	1,700423	(00)

L5

```
ANSWER 2 OP 66 USPATFULL (Continued)
US 1998-83332P 19
US 1998-83332P 19
US 1998-83332P 19
US 1998-83495P 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          19980428 (60)
19990429 (60)
19990429 (60)
19990429 (60)
19990429 (60)
19990429 (60)
19980429 (60)
19980429 (60)
19980429 (60)
19980429 (60)
19980429 (60)
19980505 (60)
19980505 (60)
19980505 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980511 (60)
19980513 (60)
19980515 (60)
                                                                                                                                                                                                                                                                                                                                                                                                                                    US 1998-83496P
                                                                                                                                                                                                                                                                                                                                                                                                                                    US 1998-83499P
                                                                                                                                                                                                                                                                                                                                                                                                               US 1998-81545P
US 1998-83559P
US 1998-83559P
US 1998-83559P
US 1998-83559P
US 1998-83560P
US 1998-83742P
US 1998-84366P
US 1998-84416P
US 1998-84416P
US 1998-84431P
US 1998-84431P
US 1998-84431P
US 1998-84531P
US 1998-84631P
US 1998-85531P
US 1998-85501P
US 1998-85501P
US 1998-85689P
US 1998-8569P
US 1998-86410P
US 1998-86410P
US 1998-86410P
US 1998-86410P
US 1998-86410P
US 1998-86192P
US 1998-86192P
US 1998-86192P
US 1998-86192P
US 1998-961901P
US 1998-961901P
US 1998-961901P
US 1998-961901P
US 1998-961901P
US 1998-911001P
US 1999-113002P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19980515 (60)
19980515 (60)
19980515 (60)
19980515 (60)
19980515 (60)
19980516 (60)
19980518 (60)
19980522 (60)
19980522 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19990518 (60)
19990518 (60)
19990518 (60)
```

```
L5 ANSWER 3 OF 66 USPATFULL ACCESSION NUMBER: 2001
                                                                                                                                                                                                                                                                     PATFULL
2003:78485 USPATFULL
Secreted and transmembrane polypeptides and nucleic acids encoding the same
Ashkenazi, Avi, San Mateo, CA, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Fivaroff, Ellen, San Francisco, CA, UNITED STATES
Fing, Sherman, Alameda, CA, UNITED STATES
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Goddowski, Paul J., Burlingame, CA, UNITED STATES
Gorimaldi, J. Christopher, San Francisco, CA, UNITED
STATES
     INVENTOR(S):
                                                                                                                                                                                                                                                                        Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES Gurney, Austin L., Belmont, CA, UNITED STATES Hillan, Kenneth J., San Francisco, CA, UNITED STATES Kljavin, Ivar J., Lafayette, CA, UNITED STATES Klyavin, Ivar J., Lafayette, CA, UNITED STATES Kloo, Sophia S., San Francisco, CA, UNITED STATES Napier, Mary A., Hillaborough, CA, UNITED STATES Pan, James, Belmont, CA, UNITED STATES Pani, Nicholas F., Belmont, CA, UNITED STATES Paoni, Nicholas F., Belmont, CA, UNITED STATES Shelton, David L., Oakland, CA, UNITED STATES Stewart, Timothy A., San Francisco, CA, UNITED STATES Tumas, Daniel, Orinda, CA, UNITED STATES Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES Genentech, Inc. (U.S. corporation)
```

PATENT ASSIGNEE(S):

Oct

Nov

Mar

NUMBER KIND DATE

US 2003054405 A1 20030320
US 2001-99983 A1 20011024 (9)
Continuation of Ser. No. US 1998-40220, filed on 17 PATENT INFORMATION: APPLICATION INFO.: RELATED APPLN, INFO.:

1998, GRANTED, Pat. No. US 6391311 Continuation of Ser

No. US 1998-105413, filed on 26 Jun 1998, ABANDONED Continuation of Ser. No. US 1998-168978, filed on 7

1998, ABANDONED Continuation of Ser. No. US 1998-184216, filed on 2 Nov 1998, ABANDONED Continuation of Ser. No. US 1998-187368, filed on 6

1998, PENDING Continuation of Ser. No. US 1998-202054, filed on 7 Dec 1998, PENDING Continuation of Ser. No. US 1998-218517, filed on 22 Dec 1998, ABANDONED Continuation of Ser. No. US 1999-254465, filed on 5

1999, GRANTED, Pat. No. US 6410708 Continuation of Ser.

No. US 1999-265686, filed on 10 Mar 1999, GRANTED, Pat.

No. US 6455283 Continuation of Ser. No. US 1999-267213,

filed on 12 Mar 1999, ABANDONED Continuation of Ser.

```
L5 ANSWER 2 OF 66 USPATFULL (Continued)
US 1999-141037P 19
US 1999-142680P 19
US 1999-14598P 19
US 1999-162506P 19
US 1999-162506P 19
                                                                                           19990623 (60)
19990707 (60)
19990726 (60)
                                                                                            19990728
19991029
 DOCUMENT TYPE:
                                                   Utility
APPLICATION
 FILE SEGMENT:
LEGAL REPRESENTATIVE:
                                                   KNOBBE, MARTENS, OLSON & BEAR, LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614
 NUMBER OF CLAIMS:
 EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
                                                   237 Drawing Page(s)
 LINE COUNT:
                                                  21827
               NUMT: 21827
The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences,
```

or polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies who bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

L5 ANSWER 3 OF 66 USPATFULL

PATFULL (Continued)
No. US 1999-284291, filed on 12 Apr 1999, ABANDONED
Continuation of Ser. No. US 1999-311832, filed on 14
May 1999, PENDING Continuation of Ser. No. US 180137,
PENDING Continuation of Ser. No. US 1999-380138, filed
on 25 Aug 1999, ABANDONED Continuation of Ser. No. US
1999-380142, filed on 25 Aug 1999, ABANDONED
Continuation of Ser. No. US 2000-709238, filed on 8

2000, ABANDONED Continuation of Ser. No. U 2000-723749, filed on 27 Nov 2000, PENDING

Continuation

of Ser. No. US 2000-747259, filed on 20 Dec 2000, PENDING Continuation of Ser. No. US 2001-816744, filed on 22 Mar 2001, PENDING Continuation of Ser. No. US 2001-816920, filed on 22 Mar 2001, PENDING

Continuation

of Ser. No. US 2001-854280, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-854208, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-870305, filed on 1 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-874503, filed on 5

.Tuen

PRI

2001, PENDING Continuation of Ser. No. US 2001-882636, filed on 14 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-885342, filed on 19 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-918585, filed on 30

		Ju	1	20	01,		PENDING		
					Νl	M	BER	DATE	
ORITY	INFORMATION:	WO	1	99	8 - i	JS	21141	19981007	
		WO					24855	19981120	
		WO	1	99	9 - L	JS	106	19990105	
		wo	1	99	9 - L	JS	5028	19990308	
		WO	1	99	9 - L	ıs	5190	19990310	
		WO	1	99	9 - L	ıs	10733	19990514	
		WO	1	99	9 - L	JS	12252	19990602	
		WO	1	99	9 - C	JS	28313	19991130	
		WO	1	999	9 - U	JS	28551	19991202	
				99	9 - Ų	J\$	28565	19991202	
		MO					30095	19991216	
		WO					31243	19991230	
		WO					31274	19991230	
		MO					219	20000105	
		WO					277	20000106	
		WO					376	20000106	
		WO					3565	20000211	
		WO					4341	20000218	
		WO	_				5841	20000302	
		WO					7532	20000321	
		WO					5004	20000224	
		WO					6319 8439	20000310	
		WO					13705	20000517	
		WO	_				14042	20000517	
		WO					14941	20000522	
		wo					15264	20000602	
		wo					20710	20000728	
		WO					23328	20000726	
							32678	20001201	
			-			٠.			

```
L5
                                           ANSWER 3 OF 66 USPATFULL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (Continued)
                                                                                                                                                                                                                                                                                                                             PATFULL (Cont:
WO 2000-US34956
WO 2001-US6520
WO 2001-US9552
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20001220
20010228
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20010322
                                                                                                                                                                                                                                                                                                                          NO 2001-039229
NO 2001-0317092
NO 2001-0317092
NO 2001-0319692
NO 2001-0319692
NO 2001-0321075
US 1997-624509
US 1997-624509
US 1998-776329
US 1998-776329
US 1998-776329
US 1998-776419
US 1998-776419
US 1998-776419
US 1998-776419
US 1998-780049
US 1998-780109
US 1998-79109
US 1998-79109
US 1998-79109
US 1998-79109
US 1998-801059
US 1998-819529
US 1998-82609
US 1998-82709
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20010525
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20010601
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20010620
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20010629
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20010709
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     19971017 (60)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              19971103 (60)
19971113 (60)
19971121 (60)
19971121 (60)
19971121 (60)
19980110 (60)
19980111 (60)
19980111 (60)
19980111 (60)
19980111 (60)
19980112 (60)
19980112 (60)
19980112 (60)
19980112 (60)
19980112 (60)
19980112 (60)
19980112 (60)
19980112 (60)
19980112 (60)
19980112 (60)
19980112 (60)
19980112 (60)
19980113 (60)
19980113 (60)
19980113 (60)
19980113 (60)
19980114 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
19980115 (60)
```

```
L5 ANSWER 3 OF 66 USPATFULL (Continued)
US 1998-82796P 199
US 1998-83336P 199
US 1998-83322P 199
US 1998-83432P 199
US 1998-83495P 199
US 1998-83496P 199
US 1998-83455P 199
US 1998-83558P 199
US 1998-83558P 199
US 1998-83558P 199
US 1998-83560P 199
US 1998-84466P 199
US 1998-84640P 199
US 1998-84658P 199
US 1998-85338P 199
US 1998-85338P 199
US 1998-85338P 199
US 1998-8538P 199
US 1998-8558P 199
US 1998-9658P 199
US 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        19980421 (60)
19980427 (60)
19980427 (60)
19980428 (60)
19980429 (60)
19980429 (60)
19980429 (60)
19980429 (60)
19980429 (60)
19980429 (60)
19980429 (60)
19980429 (60)
19980429 (60)
19980506 (60)
19980506 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19
```

```
ANSWER 3 OF 66 USPATFULL
                                                                         (Continued)
                                                  US 1999-139557P
US 1999-141037P
US 1999-142680P
US 1999-145698P
US 1999-146222P
                                                                                           19990616 (60)
19990623 (60)
19990707 (60)
19990726 (60)
                                                                                            19990728
                                                   US 1999-162506P
                                                                                           19991029 (60)
DOCUMENT TYPE:
                                                   Utility
                                                  APPLICATION
Ginger R. Dreger, Esq., Knobbe Martens Olson & Bear,
620 Newport Center Drive, Sixteenth Floor, Newport
Beach, CA, 92660
LEGAL REPRESENTATIVE:
NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
                                                  237 Drawing Page(s)
             OF DRAWINGS: 23, Leaving rays.cv,
JUNT: 1659

The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences,
```

propertide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

L5 ANSWER 4 OF 66	IISPATRIILI.
ACCESSION NUMBER:	2003:71954 USPATFULL
TITLE:	Secreted and transmembrane polypeptides and nucleic
	acids encoding the same
INVENTOR(S):	Ashkenazi, Avi J., San Mateo, CA, UNITED STATES Baker, Kevin P., Darnestown, MD, UNITED STATES
	Botstein, David, Belmont, CA, UNITED STATES
	Desnoyers, Luc, San Francisco, CA, UNITED STATES
	Eaton, Dan L., San Rafael, CA, UNITED STATES
	Ferrara, Napoleone, San Francisco, CA, UNITED STATES
	Filvaroff, Ellen, San Francisco, CA, UNITED STATES
	Fong, Sherman, Alameda, CA, UNITED STATES
	Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES Gerber, Hanspeter, San Francisco, CA, UNITED STATES
	Gerritsen, Mary E., San Mateo, CA, UNITED STATES
	Goddard, Audrey, San Francisco, CA, UNITED STATES
	Godowski, Paul J., Burlingame, CA, UNITED STATES
	Grimaldi, J. Christopher, San Francisco, CA, UNITED
	STATES
	Gurney, Austin L., Belmont, CA, UNITED STATES
	Hillan, Kenneth J., San Francisco, CA, UNITED STATES
	Kljavin, Ivar J., Lafayette, CA, UNITED STATES
	Kuo, Sophia S., San Francisco, CA, UNITED STATES
	Napier, Mary A., Hillsborough, CA, UNITED STATES
	Pan, James, Belmont, CA, UNITED STATES
	Paoni, Nicholas F., Belmont, CA, UNITED STATES
	Roy, Margaret Ann, San Francisco, CA, UNITED STATES
	Shelton, David L., Oakland, CA, UNITED STATES
	Stewart, Timothy A., San Francisco, CA, UNITED STATES
	Tumas, Daniel, Orinda, CA, UNITED STATES
	Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
	Wood, William I., Hillsborough, CA, UNITED STATES
PATENT ASSIGNEE(\$):	Genentech, Inc. (U.S. corporation)

PATENT INFORMATION: APPLICATION INFO.: RELATED APPLN. INFO.:

	NUMBER	KIND	DATE		
US	2003050241	A1	20030313		
US	2001-978564	A1	20011016 (9)		
	ntinuation of 1 2001, PENDIN		. US 2001-918585,	filed	on 30

PRIORITY INFORMATION:

```
NUMBER
NOMBER

NO 1998-US21441

NO 1998-US21465

NO 1999-US106

NO 1999-US5038

NO 1999-US5038

NO 1999-US5033

NO 1999-US28551

NO 1999-US28551

NO 1999-US28556

NO 1999-US28566

NO 1999-US31274

NO 1999-US31274

NO 1999-US31276

NO 2000-US376

NO 2000-US376

NO 2000-US376

NO 2000-US376

NO 2000-US354541
                                                                                                                                                                                                           19981007
19981120
19990105
19990308
19990514
19990602
19991202
19991202
19991202
19991230
19991230
20000105
20000106
                                                                                                                                                                                                                20000216
```

```
<C
```

```
ANSWER 4 OF 66 USPATFULL
L5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (Continued)
                                                                                                                                                                                                                                                                                                                              PATFULL (CONT.)

WO 2000-US5841

WO 2000-US5841

WO 2000-US5841

WO 2000-US5819

WO 2000-US6819

WO 2000-US6819

WO 2000-US14041

WO 2000-US14041

WO 2000-US14041

WO 2000-US15464

WO 2000-US15464

WO 2000-US15464

WO 2000-US15464

WO 2000-US15464

WO 2000-US15466

WO 2001-US15466

WO 2001-US15466

WO 2001-US17902

WO 2001-US17903

WO 2001-US17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20000302
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20000321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20000224
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20000310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20000330
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20000517
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20000522
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20000530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20000602
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20000728
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20000824
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20001201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20001220
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20010228
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20010322
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20010525
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      200116620
200116620
200116629
200110799
200107099
19971103 (60)
19971113 (60)
19971113 (60)
19971113 (60)
19980111 (60)
19980113 (60)
19980113 (60)
19980113 (60)
19980113 (60)
19980114 (60)
19980115 (60)
19980115 (60)
19980116 (60)
19980117 (60)
19980117 (60)
19980118 (60)
19980118 (60)
19980119 (60)
19980119 (60)
19980119 (60)
19980119 (60)
19980119 (60)
19980119 (60)
19980119 (60)
19980119 (60)
19980119 (60)
19980119 (60)
19980119 (60)
19980119 (60)
19980119 (60)
19980119 (60)
19980119 (60)
19980119 (60)
19980119 (60)
19980119 (60)
19980119 (60)
19980119 (60)
19980119 (60)
19980119 (60)
19980119 (60)
19980119 (60)
19980119 (60)
```

```
10/029,582

L5 ANSWER 4 OF 66 USPATFULL (CONT.)
US 1998-81555P
US 1998-81819P
US 1998-81819P
US 1998-81819P
US 1998-81819P
US 1998-82568P
US 1998-82568P
US 1998-82568P
US 1998-82768P
US 1998-8354P
US 1998-83558P
US 1998-83558P
US 1998-83568P
US 1998-84668P
US 1998-84668P
US 1998-84668P
US 1998-84613P
US 1998-84668P
US 1998-84638P
US 1998-84638P
US 1998-84668P
US 1998-85584P
US 1998-85868P
US 1998-8588P
US 1998-85868P
US 1998-8688P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (Continued)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ea)
19980409 (60)
19980415 (60)
19980415 (60)
19980415 (60)
19980415 (60)
19980415 (60)
19980415 (60)
19980415 (60)
19980415 (60)
19980421 (60)
19980422 (60)
19980422 (60)
19980422 (60)
19980422 (60)
19980422 (60)
19980422 (60)
19980429 (60)
19980429 (60)
19980429 (60)
19980429 (60)
19980429 (60)
19980429 (60)
19980429 (60)
19980429 (60)
19980429 (60)
19980429 (60)
19980429 (60)
19980429 (60)
19980505 (60)
19980505 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980507 (60)
19980508 (60)
19980508 (60)
19980509 (60)
19980509 (60)
19980509 (60)
19980509 (60)
19980509 (60)
19980509 (60)
19980509 (60)
19980509 (60)
19980509 (60)
19980509 (60)
19980509 (60)
19980509 (60)
19980509 (60)
19980509 (60)
19980509 (60)
19980518 (60)
19980518 (60)
19980518 (60)
19980518 (60)
19980518 (60)
19980518 (60)
19980518 (60)
19980518 (60)
19980518 (60)
19980518 (60)
19980518 (60)
19980518 (60)
19980518 (60)
19980518 (60)
19980518 (60)
19980518 (60)
19980518 (60)
19980518 (60)
19980518 (60)
19980518 (60)
19980518 (60)
19980522 (60)
19980522 (60)
19980522 (60)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (60)
(60)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    19980528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    19980528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US 1998-91010P
US 1998-90863P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    19980626
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    19980626
```

```
PATFULL (Continued)
US 1998-9159P 199
US 1998-94651P 199
US 1998-100304P 199
US 1998-113621P 199
US 1999-1123957P 199
US 1999-13237P 199
US 1999-131022P 199
US 1999-1314287P 199
US 1999-1314287P 199
US 1999-14037P 199
US 1999-142620P 199
US 1999-142690P 199
US 1999-146590P 199
               ANSWER 4 OF 66 USPATFULL
                                                                                                                                             19980701 (60)
19980730 (60)
19980911 (60)
19981120 (60)
                                                                                                                                              19981222
                                                                                                                                                                           (60)
                                                                                                                                             19981223 (60)
                                                                                                                                             19990312 (60)
                                                                                                                                             19990329
                                                                                                                                                                           (60)
                                                                                                                                             19990421
                                                                                                                                                                           (60)
                                                                                                                                             19990426
                                                                                                                                                                           (60)
                                                                                                                                             19990426 (60)
19990428 (60)
19990514 (60)
19990616 (60)
19990623 (60)
19990707 (60)
19990726 (60)
19990728 (60)
19991029 (60)
                                                                             Utility
APPLICATION
Ginger R. Dreger, Esq., Knobbe Martens Olson & Bear,
Suite 1150, 201 California Street, San Francisco, CA,
DOCUMENT TYPE:
LEGAL REPRESENTATIVE:
                                                                              94111
57
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
                                                                              237 Drawing Page(s)
                     UNT: 201012

The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences.
LINE COUNT:
```

polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

LS ANSWER 5 OF 66	USPATFULL
ACCESSION NUMBER:	2003:71953 USPATFULL
TITLE:	Secreted and transmembrane polypeptides and nucleic
	acids encoding the same
INVENTOR (S):	Ashkenazi, Avi J., San Mateo, CA, UNITED STATES
	Baker, Kevin P., Darnestown, MD, UNITED STATES
	Botstein, David, Belmont, CA, UNITED STATES
	Desnoyers, Luc, San Francisco, CA, UNITED STATES
	Eaton, Dan L., San Rafael, CA, UNITED STATES
	Ferrara, Napoleone, San Francisco, CA, UNITED STATES
	Filvaroff, Ellen, San Francisco, CA, UNITED STATES
	Fong, Sherman, Alameda, CA, UNITED STATES
	Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
	Gerber, Hanspeter, San Francisco, CA, UNITED STATES
	Gerritsen, Mary E., San Mateo, CA, UNITED STATES
	Goddard, Audrey, San Francisco, CA, UNITED STATES
	Godowski, Paul J., Burlingame, CA, UNITED STATES
	Grimaldi, J. Christopher, San Francisco, CA, UNITED
	STATES
	Gurney, Austin L., Belmont, CA, UNITED STATES
	Hillan, Kenneth J., San Francisco, CA, UNITED STATES
	Kljavin, Ivar J., Lafayette, CA, UNITED STATES
	Kuo, Sophia S., San Francisco, CA, UNITED STATES
	Napier, Mary A., Hillsborough, CA, UNITED STATES
	Pan, James, Belmont, CA, UNITED STATES
	Paoni, Nicholas F., Belmont, CA, UNITED STATES
	Roy, Margaret Ann, San Francisco, CA, UNITED STATES
	Shelton, David L., Oakland, CA, UNITED STATES
	Stewart, Timothy A., San Francisco, CA, UNITED STATES
	Tumas, Daniel, Orinda, CA, UNITED STATES
	Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
	Wood, William 1., Hillsborough, CA, UNITED STATES
PATENT ASSIGNEE(S):	Genentech, Inc. (U.S. corporation)
	NUMBER KIND DATE

PATENT INFORMATION. APPLICATION INFO .: RELATED APPLN. INFO .: NUMBER KIND DATE

US 2003050240 A1 20030313
US 2001-978403 A1 20011016 (9)
Continuation of Ser. No. US 2001-918585, filed on 30
Jul 2001, PENDING

20000218

NUMBER DATE NUMBER
WO 1998-US21485
WO 1999-US5028
WO 1999-US5028
WO 1999-US5028
WO 1999-US5033
WO 1999-US10733
WO 1999-US12052
WO 1999-US28511
WO 1999-US28551
WO 1999-US31265
WO 1999-US31264
WO 2000-US376
WO 2000-US376
WO 2000-US376 19981007 19981120 19990105 19990310 19990512 19990512 19991200 19991202 19991202 19991230 20000105 20000106 PRIORITY INFORMATION

WO 2000-US4341

```
ANSWER 5 OF 66 USPATFULL (CONTINO 2000 - US5841 W0 2000 - US5804 W0 2000 - US6319 W0 2000 - US13705 W0 2000 - US13705 W0 2000 - US14941 W0 2000 - US15264 W0 2000 - US23267 W0 2001 - US3765 W0 2001 - US1760 W0 2001 - US1760 W0 2001 - US17800 W0 1999 - US106 W0 1999 - US106 W0 1999 - US106 W0 1999 - US10733 W0 1999 - US10733 W0 1999 - US28515 W0 1999 - US28515 W0 1999 - US28515 W0 1999 - US28515 W0 1999 - US31241 W0 1999 - US31241 W0 1999 - US31241 W0 1999 - US31241 W0 2000 - US219 W0 2000 - US5841 W0 2000 - US5841 W0 2000 - US5841 W0 2000 - US5841 W0 2000 - US5365 W0 2001 - US15865 W0 2001 - US15866 W0 2001 - US15866 W0 2001 - US15865 W0 2001 - US15866 W0 200
                                                                                                                                                                                                                                                                                                                                      20000302
                                                                                                                                                                                                                                                                                                                                      20000224
                                                                                                                                                                                                                                                                                                                                      20000310
                                                                                                                                                                                                                                                                                                                                      20000330
                                                                                                                                                                                                                                                                                                                                      20000517
                                                                                                                                                                                                                                                                                                                                      20000522
                                                                                                                                                                                                                                                                                                                                      20000530
                                                                                                                                                                                                                                                                                                                                        20000602
                                                                                                                                                                                                                                                                                                                                        20000728
                                                                                                                                                                                                                                                                                                                                        20000824
                                                                                                                                                                                                                                                                                                                                        20001201
                                                                                                                                                                                                                                                                                                                                      20001220
                                                                                                                                                                                                                                                                                                                                      20010228
                                                                                                                                                                                                                                                                                                                                      20010525
                                                                                                                                                                                                                                                                                                                                      20010601
                                                                                                                                                                                                                                                                                                                                      20010620
                                                                                                                                                                                                                                                                                                                                      20010629
                                                                                                                                                                                                                                                                                                                                      20010709
                                                                                                                                                                                                                                                                                                                                        19981007
                                                                                                                                                                                                                                                                                                                                        19981120
19990105
                                                                                                                                                                                                                                                                                                                                        19990308
19990310
                                                                                                                                                                                                                                                                                                                                        19990514
                                                                                                                                                                                                                                                                                                                                      19990602
                                                                                                                                                                                                                                                                                                                                      19991130
                                                                                                                                                                                                                                                                                                                                      19991202
                                                                                                                                                                                                                                                                                                                                        19991202
                                                                                                                                                                                                                                                                                                                                      19991216
                                                                                                                                                                                                                                                                                                                                19991230
19991230
20000105
20000106
20000218
20000321
20000321
20000324
20000310
20000330
20000517
20000517
                                                                                                                                                                                                                                                                                                                                      19991230
                                                                                                                                                                                                                                                                                                                                  20000517
20000522
20000530
20000602
                                                                                                                                                                                                                                                                                                                                    200000002
                                                                                                                                                                                                                                                                                                                                20000728
20000824
20001201
20001220
20010228
20010322
20010525
```

(Continued)

```
LS ANSWER 5 OF 66 USPATFULL (Continuous Continuous Cont
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20010629
20010709
19971017 (60)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       19971103 (60)
19971113 (60)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       19971121 (60)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              19980310 (60)
19980311 (60)
19980311 (60)
19980311 (60)
19980312 (60)
19980312 (60)
19980320 (60)
19980320 (60)
19980320 (60)
19980320 (60)
19980320 (60)
19980320 (60)
19980327 (60)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              19980127
19980127
19980127
19980127
19980120
19980130
1998031
1998031
1998031
1998031
19980401
19980401
19980401
19980408
19980408
19980408
19980409
19980409
19980415
19980415
19980415
19980415
19980415
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  19980422
19980423
19980427
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   19980428
19980429
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   19980429
```

(Continued)

DOCUMENT TYPE: FILE SEGMENT: LEGAL REPRESENTATIVE:

L5 ANSWER 5 OF 66 USPATFULL (Continued)

57 1 NUMBER OF CLAIMS:

EXEMPLARY CLAIM: NUMBER OF DRAWINGS:

LINE COUNT:

ARY CLAIM: 1
OF DRAWINGS: 236 Drawing Page(s)
OUNT: 21872
The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences,

polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

```
L5 ANSWER 6 OF 66 USPATFULL
ACCESSION NUMBER: 2003:71952 USPATFULL
TITLE: Secreted and transmember
                                                                                                                                                                                                                                                                                                                          L5 ANSWER 6 OF 66 USPATFULL (Continued)
No. US 6455283 Continuation of Ser. No. US
                                                                                  2001:71952 USPATFULL
Secreted and transmembrane polypeptides and nucleic acids encoding the same
Ashkenazi, Avi J., San Mateo, CA, UNITED STATES
Baker, Kevin P., Darneatown, CA, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Demoyers, Luc, San Francisco, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Filvaroff, Ellen, San Francisco, CA, UNITED STATES
Filvaroff, Ellen, San Francisco, CA, UNITED STATES
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Godwaki, Paul J., Burlingame, CA, UNITED STATES
Gorimaldi, J. Christopher, San Francisco, CA, UNITED
STATES
                                                                                                                                                                                                                                                                                                                          1999-267213,
                                                                                                                                                                                                                                                                                                                                                                                                             filed on 12 Mar 1999, ABANDONED Continuation of Ser.
No. US 1999-284291, filed on 12 Apr 1999, ABANDONED
Continuation of Ser. No. US 1999-311832, filed on 14
May 1999, PENDING Continuation of Ser. No. US 380137,
PENDING Continuation of Ser. No. US 1999-380138, filed
on 25 Aug 1999, ABANDONED Continuation of Ser. No. US
1999-380142, filed on 25 Aug 1999, ABANDONED
Continuation of Ser. No. US 2000-709238, filed on 8
 INVENTOR(S):
                                                                                                                                                                                                                                                                                                                           Nov
                                                                                                                                                                                                                                                                                                                                                                                                              2000, ABANDONED Continuation of Ser. No. US 2000-723749, filed on 27 Nov 2000, PENDING
                                                                                                                                                                                                                                                                                                                           Continuation
                                                                                                                                                                                                                                                                                                                                                                                                              of Ser. No. US 2000-747259, filed on 20 Dec 2000,
PENDING Continuation of Ser. No. US 2001-816744, filed
on 22 Mar 2001, PENDING Continuation of Ser. No. US
2001-816920, filed on 22 Mar 2001, PENDING
                                                                                 STATES
GURNEY, AUSTIN L., Belmont, CA, UNITED STATES
GURNEY, AUSTIN L., Belmont, CA, UNITED STATES
Kljavin, Ivar J., Lafayette, CA, UNITED STATES
Kljavin, Ivar J., Lafayette, CA, UNITED STATES
Kljavin, Ivar J., Lafayette, CA, UNITED STATES
Kloo, Sophia S., San Francisco, CA, UNITED STATES
Napier, Mary A., Hillsborough, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Shelton, David L., Oakland, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
Tumas, Daniel, Orinda, CA, UNITED STATES
Williams, P. Mickey, Helf Moon Bay, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)
                                                                                                                                                                                                                                                                                                                           Continuation
                                                                                                                                                                                                                                                                                                                                                                                                              of Ser. No. US 2001-854280, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-854208, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-870305, filed on 1 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-874503, filed on 5
                                                                                                                                                                                                                                                                                                                          Jun
                                                                                                                                                                                                                                                                                                                                                                                                             2001, PENDING Continuation of Ser. No. US 2001-882636, filed on 14 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-886342, filed on 19 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-918585, filed on 30 Jul 2001, PENDING
PATENT ASSIGNEE(S):
                                                                                                                             KIND
                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER
W0 1998-US2141
W0 1998-US21485
W0 1999-US106
W0 1999-US106
W0 1999-US5028
W0 1999-US10733
W0 1999-US12052
W0 1999-US28551
W0 1999-US28551
W0 1999-US28565
W0 1999-US31274
W0 1999-US31274
W0 1999-US31274
W0 1999-US31274
W0 2000-US2179
W0 2000-US2176
W0 2000-US376
W0 2000-US376
W0 2000-US3764
W0 2000-US3764
W0 2000-US3764
W0 2000-US3764
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              19981007
19981120
19990105
19990308
19990310
                                                                                                     NUMBER
                                                                                                                                                                          DATE
                                                                                                                                                                                                                                                                                                                          PRIORITY INFORMATION:
                                                                                  US 2003050239 A1 20030313
US 2001-978191 A1 20011015 (9)
Continuation of Ser. No. US 1998-40220, filed on 17
PATENT INFORMATION:
APPLICATION INFO.:
RELATED APPLN. INFO.:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               19990514
19990602
19991130
                                                                                   1998, GRANTED, Pat. No. US 6391311 Continuation of
Ser.
                                                                                  No. US 1998-105413, filed on 26 Jun 1998, ABANDONED Continuation of Ser. No. US 1998-168978, filed on 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               19991202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               19991202
Oct
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19991216
                                                                                  1998, ABANDONED Continuation of Ser. No. US
1998-184216, filed on 2 Nov 1998, ABANDONED
Continuation of Ser. No. US 1998-187368, filed on 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19991230
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19991230
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20000105
Nov
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20000106
                                                                                  1998, PENDING Continuation of Ser. No. US 1998-202054, filed on 7 Dec 1998, PENDING Continuation of Ser. No. US 1998-218517, filed on 22 Dec 1998, ABANDONED Continuation of Ser. No. US 1999-254465, filed on 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20000106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20000211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20000218
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20000302
Mar
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20000321
                                                                                  1999, GRANTED, Pat. No. US 6410708 Continuation of
                                                                                                                                                                                                                                                                                                                                                                                                               WO 2000-US5004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20000224
Ser.
                                                                                                                                                                                                                                                                                                                                                                                                               WO 2000-US6319
                                                                                  No. US 1999-265686, filed on 10 Mar 1999, GRANTED,
                                                                                                                                                                                                                                                                                                                                                                                                               WO 2000-US8439
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20000330
Pat.
              ANSWER 6 OF 66 USPATFULL
                                                                                  PATFULL (Continued)
WO 2000-US13705 20
WO 2000-US14042 20
                                                                                                                                                                                                                                                                                                                        L5 ANSWER 6 OF 66 USPATFULL
                                                                                                                                          20000517
20000522
                                                                                                                                                                                                                                                                                                                                                                                                            US 1998-82804P
US 1998-82700P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              19980422 (60)
19980422 (60)
```

NO 2000-05140		us	1998-82700P 1	19980422 ((60)
WO 2000-US149	41 20000530			19980422 (
WO 2000-US152	64 20000602			19980423 (
WO 2000-US207					
WO 2000-US233				19980427 (
				19980428 (
WO 2000-US326		US	1998-83392P 1	L9980429 ((60)
WO 2000-US349		US	1998-83495P 1	19980429 ((60)
WO 2001-US652	0 20010228			9980429 (
WO 2001-US955	2 20010322			19980429 (
WO 2001-US170	92 20010525				
WO 2001-US178				19980429 (
WO 2001-US196				19980429 (
		US	1998-83558P 1	9980429 (60)
WO 2001-US210		U\$:	1998-83559P 1	9980429 (60)
WO 2001-US217		US	1998-83500P 1	9980429 (60)
US 1997-622501	P 19971017 (60)			9980430 (
US 1997-64249	P 19971103 (60)			9980505 (
US 1997-653111					
US 1997-663641				9980506 (
				9980506 (60)
US 1998-77450		US :	1998-84637P 1	9980507 (60)
US 1998-77632		US :	1998-84639P 1	9980507 (60)
US 1998-77641	P 19980311 (60)	us :	1998-84640P 1	9980507 (603
US 1998-776491	P 19980311 (60)			9980507 (
US 1998-77791					
US 1998-780041				9980507 (
US 1998-788861				9980507 (
				9980507 (
US 1998-789361		US :	1998-85339P 1	9980513 (60)
US 1998-789101		US :	1998-85338P 1	9980513 (60)
US 1998-789391	P 19980320 (60)			9980513 (
US 1998-792941	P 19980325 (60)			9980515 (
US 1998-796568				9980515 (
US 1998-796641					
US 1998-796891				9980515 (
				9980515 (
US 1998-796631		US 1	1998-85580P 1	9980515 (60)
US 1998-797281		US 1	1998-85573P 1	9980515 (60)
US 1998-797868		US 1	998-85704P 1	9980515 (60)
US 1998-79920F	P 19980330 (60)			9980515 (
US 1998-799231	P 19980330 (60)			9980518 (
US 1998-801059				9980522 (
US 1998-80107F					
US 1998-80165F				9980522 (
				9980522 (
US 1998-80194F		US 1	.998-86414P 1	9980522 (60)
US 1998-80327F		US 1	.998-87208P 1	9980528 (60)
US 1998-80328F	P 19980401 (60)	US 1	998-87106P 15	9980528 (60)
US 1998-80333F	P 19980401 (60)	US 1	.998-87098P 19	9980528 (60)
US 1998-80334F	P 19980401 (60)			9980626 (
US 1998-81070F	P 19980408 (60)			9980626 (
US 1998-81049F					
US 1998-81071F				9980701 (
				9980730 (
US 1998-81195F				9980911 (
US 1998-81203F		US 1	998-109304P 19	9981120 (60)
US 1998-81229F		US 1	998-113296P 19	9981222 (6	60)
US 1998-81955F	P 19980415 (60)	US 1		9981223 (6	
US 1998-81817F	P 19980415 (60)			9990312 (6	
US 1998-81819F					
US 1998-81952P				9990329 (6	
				9990421 (
US 1998-81838P				9990426 (6	
US 1998-82568P				9990428 (6	
US 1998-82569F		US 1	999-134287P 19	9990514 (6	60)
US 1998-82704P	P 19980422 (60)	US 1	999-139557P 15	9990616 (6	60)

```
PATFULL (Continued)
US 1999-141037P 199
US 1999-142680P 199
US 1999-145698P 199
US 1999-14522P 199
US 1999-162506P 199
L5 ANSWER 6 OF 66 USPATFULL
                                                                                                        19990623 (60)
19990707 (60)
19990726 (60)
19990728 (60)
                                                                                                         19991029 (60)
DOCUMENT TYPE:
                                                          Utility
APPLICATION
FILE SEGMENT:
LEGAL REPRESENTATIVE:
                                                          Ginger R. Dreger, Esq., Knobbe Martens Olson & Bear,
620 NEWPORT CENTER DRIVE, SIXTEENTH FLOOR, NEWPORT
BEAR
57
NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
                                                          237 Drawing Page(s)
LINE COUNT:
                                                          15094
                 DUNT: 15094
The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences,
                 .c
polypeptide molecules comprising the polypeptides of the present
invention fused to heterologous polypeptide sequences, antibodies which
bind to the polypeptides of the present invention and to methods for
producing the polypeptides of the present invention.
```

```
PATFULL (Continued)
US 1999-131270P 19:
US 1999-131272P 19:
US 1999-131291P 19:
US 1999-1312317P 19:
US 1999-132373P 19:
US 1999-132373P 19:
US 1999-1323750P 19:
US 1999-138166P 19:
US 1999-138166P 19:
US 1999-146770P 19:
US 1999-165506P 19:
US 1
                                                                                                                                                                                                                                                 19990427 (60)
19990427 (60)
19990427 (60)
                                                                                                                                                                                                                                                       19990504
                                                                                                                                                                                                                                                       19990504
                                                                                                                                                                                                                                                       19990504
                                                                                                                                                                                                                                                    19990525
                                                                                                                                                                                                                                                    19990608
                                                                                                                                                                                                                                                                                                                                                                        (60)
                                                                                                                                                                                                                                                       19990720
                                                                                                                                                                                                                                                       19990803
                                                                                                                                                                                                                                                    19991029
   Utility
APPLICATION
Ginger R. Dreger, Knobbe Martens Olson & Bear, Suite
1150, 201 California Street, San Francisco, CA, 94111
      46 Drawing Page(s)
```

NUMBER OF CLAIMS: EXEMPLARY CLAIM: NUMBER OF DRAWINGS: JUNN: 1519

The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences. LINE COUNT

ANSWER 7 OF 66 USPATFULL

21

DOCUMENT TYPE: FILE SEGMENT: LEGAL REPRESENTATIVE:

> polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

```
LS ANSWER 7 OF 66 USPATFULL
ACCESSION NUMBER: 2003:71449 USPATFULL
TITLE: Society
                                                                                   2001-71449 USPATFULL
Secreted and transmembrane polypeptides and nucleic acids encoding the same polypeptides and nucleic acids encoding the same polypeptides and nucleic acids encoding the same penopers. Luc, San Francisco, CA, UNITED STATES Eaton, Dan L., San Rafael, CA, UNITED STATES Goddwaki, Paul J., Hilsborough, CA, UNITED STATES Goddwaki, Paul J., Hilsborough, CA, UNITED STATES Gurney, Austin L., Belmont, CA, UNITED STATES Tan, James, Belmont, CA, UNITED STATES Stewart, Timothy A., San Francisco, CA, UNITED STATES Stewart, Timothy A., San Francisco, CA, UNITED STATES Wood, Milliam I., Hillsborough, CA, UNITED STATES Canna, Zemin, Foster City, CA, UNITED STATES Genentech, Inc. (U.S. corporation)
INVENTOR(S):
PATENT ASSIGNEE(S):
                                                                                                       NUMBER
                                                                                                                                KIND DATE
                                                                                     US 2003049734 Al 20030313
US 2001-36150 Al 20011226 (10)
Continuation of Ser. No. US 2001-931836, filed on 16
Aug 2001, PENDING
PATENT INFORMATION:
APPLICATION INFO.:
RELATED APPLN. INFO.:
                                                                                                             NUMBER
                                                                                                                                                                DATE
                                                                                                                                                        19990514
19991202
19991222
20000301
20000302
PRICETTY INFORMATION.
                                                                                                                                                         20000502
                                                                                                                                                         20000823
                                                                                                                                                         20000824
```

W0 1999-US10733
W0 1999-US30720
W0 1999-US30720
W0 2000-US5601
W0 2000-US5601
W0 2000-US14042
W0 2000-US155264
W0 2000-US21522
W0 2000-US21528
W0 2000-US21528
W0 2000-US21528
W0 2000-US21528
W0 2000-US21628
W0 2001-US14608
W0 2001-US17800
W0 2001-US17800
W0 2001-US17800
W0 2001-US17800
W1 2998-1125140
W1 1998-113605
W1 1998-113605
W1 1998-113605
W1 1998-113605
W1 1999-1155527
W1 1999-1155527
W1 1999-1155527
W1 1999-1155774
W1 1999-1257748
W1 1999-1257748 20001201 20001220 20010228 20010601 20010620 20010629 20010709 19980515 19981215 19981223 19981223 19981223 19981223 19981223 19981223 19990323 (60) 19990323 (60) 19990324 (60) 19990331 (60) 19990405 (60) 19990413 (60) 19990421 (60) ANSWER 8 OF 66 USPATFULL ACCESSION NUMBER: 2003:71399 USPATFULL TITLE: INVENTOR(S):

PATFULL
2003:7199 USPATFULL
Secreted and transmembrane polypeptides and nucleic acids encoding the same
Asikenazi, Avi J.. San Mateo, CA, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Filvaroff, Ellen, San Francisco, CA, UNITED STATES
Fong, Sherman, Alameda, CA, UNITED STATES
Goa, Wei-Oiang, Palo Alto, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Gerritsen, Mary E., San Mateo, CA, UNITED STATES
Goddard, Audrey, San Prancisco, CA, UNITED STATES
Goddard, Audrey, San Prancisco, CA, UNITED STATES
Goddard, Audrey, San Prancisco, CA, UNITED STATES
Goddard, J. Christopher, San Francisco, CA, UNITED
STATES
Gurney, Austin L., Belmont, CA, UNITED STATES Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES Gurney, Austin L., Belmont, CA, UNITED STATES Hillan, Kenneth J., San Francisco, CA, UNITED STATES Kljavin, Ivar J., Lefayette, CA, UNITED STATES Klyavin, Ivar J., Lefayette, CA, UNITED STATES Kloo, Sophia S., San Francisco, CA, UNITED STATES Napier, Mary A., Hilleborough, CA, UNITED STATES Pan, James, Belmont, CA, UNITED STATES Pani, Nicholas F., Belmont, CA, UNITED STATES Paoni, Nicholas F., Belmont, CA, UNITED STATES Roy, Margaret Ann, San Francisco, CA, UNITED STATES Shelton, David L., Oakland, CA, UNITED STATES Stewart, Timodhy A., San Francisco, CA, UNITED STATES Tumas, Daniel, Orinda, CA, UNITED STATES Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES Wood, William I., Hillsborough, CA, UNITED STATES Genentech, Inc. (U.S. corporation)

PATENT ASSIGNEE(S):

PATENT INFORMATION APPLICATION INFO.: RELATED APPLN. INFO.: NUMBER KIND DATE

US 2003099684 A1 20030313
US 2001-17081 A1 20011024 (10)
Continuation of Ser. No. US 2001-918555, filed on 30
Jul 2001, PENDING Continuation of Ser. No. US
1998-40220, filed on 17 Mer 1998, GRANTED, Pat. No. US
6391311 Continuation of Ser. No. US 1998-105413, filed
on 26 Jun 1998. ABANDONED Continuation of Ser. No. US
1998-1689798, filed on 7 Oct 1998, ABANDONED
Continuation of Ser. No. US 1998-184216, filed on 2

Nov

1998. ABANDONED Continuation of Ser. No. US
1998-187368, filed on 6 Nov 1998, PENDING Continuation
of Ser. No. US 1998-202054, filed on 7 Dec 1998.
PENDING Continuation of Ser. No. US 1998-218517, filed
on 22 Dec 1998. ABANDONED Continuation of Ser. No. US
1999-254645, filed on 5 Mar 1999, GRANTED, Pat. No. US
6410708 Continuation of Ser. No. US 1999-265686, filed
on 10 Mar 1999, GRANTED, Pat. No. US 645283
Continuation of Ser. No. US 1999-26586, filed
on 10 Mar 1999, GRANTED Continuation of Ser. No. US
1999-284291, filed on 12 Apr 1999, ABANDONED
Continuation of Ser. No. US 1999-31832, filed on 14
May 1999, PENDING Continuation of Ser. No. US 380137,
PENDING Continuation of Ser. No. US 180137,
PENDING Continuation of Ser. No. US 180137,
PENDING Continuation of Ser. No. US 1999-3180138, filed
on 25 Aug 1999, ABANDONED Continuation of Ser. No. US

```
PATFULL (Continued)
WO 2001-US17902
20010525
WO 2001-US17800
WO 2001-US17800
WO 2001-US17800
20010620
WO 2001-US19692
20010620
WO 2001-US19692
20010620
WO 2001-US19692
20010620
WO 2001-US19692
20010620
WO 2001-US17692
WO 2001-US1735
20010709
WS 1997-64249P
19971103
US 1997-64249P
19971103
US 1997-66314P
19971121
US 1998-77631P
US 1998-77631P
19980311
US 1998-77641P
19980311
US 1998-77641P
19980311
US 1998-78934P
19980310
US 1998-78934P
19980320
US 1998-78934P
19980320
US 1998-78934P
19980320
US 1998-79684P
19980320
US 1998-99684P
19980320
US 1998-99684P
19980327
US 1998-99684P
19980330
US 1998-19980330
US 1998-19980331
US 1998-80156P
19980331
US 1998-80136P
19980331
US 1998-80136P
19980331
US 1998-80136P
19980401
US 1998-80334P
19980401
US 1998-8034P
19980401
US 1998-8034P
19980401
US 1998-8034P
19980401
US 1998-8034P
19980402
US 1998-81817P
19980402
US 1998-81817P
19980422
US 1998-82700P
19980422
US 1998-8334P
19980423
US 1998-8334P
19980423
L5
                                 ANSWER 8 OF 66 USPATFULL
                                                                                                                                                                                                                                         (Continued)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 L5 ANSWER 8 OF 66 USPATFULL
                                                                                                                                                                   PATFOLD (CONCINUED)
1999-380142, filed on 25 Aug 1999, ABANDONED
Continuation of Ser. No. US 2000-709238, filed on 8
Nov
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20010629
20010629
20010629
20010709
19971107 (60)
19971103 (60)
19971113 (60)
19971121 (60)
19980311 (60)
19980311 (60)
19980312 (60)
19980312 (60)
19980312 (60)
19980312 (60)
19980312 (60)
19980312 (60)
19980312 (60)
19980312 (60)
19980312 (60)
19980312 (60)
19980312 (60)
19980312 (60)
19980312 (60)
19980312 (60)
19980312 (60)
19980312 (60)
19980312 (60)
19980313 (60)
19980313 (60)
19980313 (60)
19980313 (60)
19980313 (60)
19980313 (60)
19980313 (60)
19980313 (60)
19980313 (60)
19980313 (60)
19980313 (60)
19980313 (60)
19980313 (60)
19980313 (60)
19980313 (60)
19980314 (60)
19980401 (60)
19980401 (60)
19980408 (60)
19980408 (60)
                                                                                                                                                                     2000, ABANDONED Continuation of Ser. No. US 2000-723749, filed on 27 Nov 2000, PENDING
Continuation
                                                                                                                                                                     of Ser. No. US 2000-747259, filed on 20 Dec 2000,
PENDING Continuation of Ser. No. US 2001-816744, filed
on 22 Mar 2001, PENDING Continuation of Ser. No. US
2001-816920, filed on 22 Mar 2001, PENDING
Continuation
                                                                                                                                                                   of Ser. No. US 2001-854280, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-854208, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-870305, filed on 1 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-874503, filed on 5
Jun
                                                                                                                                                                     2001, PENDING Continuation of Ser. No. US 2001-882636, filed on 14 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-886342, filed on 19 Jun 2001, ABANDONED
                                                                                                                                                                  W0 1998-US21141
W0 1998-US21851
W0 1999-US5106
W0 1999-US5106
W0 1999-US5190
W0 1999-US5190
W0 1999-US10733
W0 1999-US285151
W0 1999-US285151
W0 1999-US285151
W0 1999-US31851
W0 1999-US31861
W0 1999-US310243
W0 1999-US310243
W0 2000-US3197
W0 2000-US3197
W0 2000-US3194
W0 2000-US5419
W0 2000-US56119
W0 2000-US56119
W0 2000-US56119
W0 2000-US56119
W0 2000-US56119
W0 2000-US51006
W0 2000-US51006
W0 2000-US11006
W0 2000-US14941
W0 2000-US152064
W0 2000-US152064
W0 2000-US152064
W0 2000-US152064
W0 2000-US1520710
W0 2000-US1320710
W0 2000-US132078
W0 2000-US312078
                                                                                                                                                                                                                                                                                                      19981007
19981120
19990130
19990130
19990514
19990610
199905120
1999120
1999120
1999120
20000105
20000106
20000211
20000211
20000211
20000212
2000030
2000030
2000030
2000052
2000030
2000052
2000030
2000052
2000052
2000052
2000052
2000052
2000052
2000052
2000052
2000052
2000052
2000052
2000052
2000052
2000052
2000052
2000052
2000052
2000052
2000052
2000052
2000052
2000052
PRIORITY INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          19980409 (60)
19980415 (60)
19980415 (60)
19980415 (60)
19980415 (60)
19980421 (60)
19980421 (60)
19980422 (60)
19980422 (60)
19980422 (60)
19980422 (60)
19980423 (60)
19980424 (60)
19980424 (60)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US 1998-83392P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PATFULL (Continued)
KNOBBE, MARTENS, OLSON & BEAR, LLP, 2040 MAIN STREET,
FOURTEENTH FLOOR, IRVINE, CA, 92614
57
                          ANSWER 8 OF 66 USPATFULL
                                                                                                                                                                                                                                         (Continued)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              L5 ANSWER 8 OF 66 USPATFULL LEGAL REPRESENTATIVE: KNOBBE,
                                                                                                                                                                                                                                                                                                        19980429 (60)
19980429 (60)
19980429 (60)
                                                                                                                                                                                                                                                                                                          19980429
                                                                                                                                                                                                                                                                                                          19980429
                                                                                                                                                                                                                                                                                                          19980429
```

```
US 1998-81495P
US 1998-81495P
US 1998-81495P
US 1998-81495P
US 1998-81554P
US 1998-81554P
US 1998-81554P
US 1998-81554P
US 1998-81554P
US 1998-81554P
US 1998-84164P
US 1998-84441P
US 1998-84441P
US 1998-84637P
US 1998-84637P
US 1998-84637P
US 1998-85534P
US 1998-8554P
US 1998-8554P
US 1998-85594P
US 1998-85949P
US 1998-85945P
US 1998-85945P
US 1998-911045P
US 1998-191045P
US 1999-114454P
US 1999-114468P
US 1999-144680P
US 1999-146680P
US 11114V
                                                                                                                                                                                                19980429
19980429
19980430
19980505
19980506
19980507
                                                                                                                                                                                                   19980507
19980507
19980507
                                                                                                                                                                                                     19980507
                                                                                                                                                                                                     19980507
                                                                                                                                                                                                   19980507
19980513
19980513
19980515
                                                                                                                                                                                                   19980515
                                                                                                                                                                                                   19980515 (60)
                                                                                                                                                                                                   19980515 (60)
                                                                                                                                                                                                   19980515 (60)
                                                                                                                                                                                                   19980515 (60)
                                                                                                                                                                                                   19980515 (60)
                                                                                                                                                                                            19980515 (60)
19980515 (60)
19980518 (60)
19980521 (60)
19980522 (60)
19980522 (60)
19980522 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19980528 (60)
19990528 (60)
19990528 (60)
19990528 (60)
19990528 (60)
19990528 (60)
19990561 (60)
19990616 (60)
19990616 (60)
                                                                                                                                                                                                                                                                                    (60)
(60)
(60)
(60)
                                                                                                                                                                                                19990707
                                                                                                                                                                                                19990726
                                                                                                                                                                                                19990728
                                                                                                                                                                                              19991029 (60)
```

APPLICATION

NUMBER OF CLAIMS: 57

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 237 Drawing Page(s)

LINE COUNT: 21673

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric vectors and nost cease comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

```
L5 ANSWER 9 OF 66 USPATFULL
ACCESSION NUMBER: 2003:71348 USPATFULL
TITLE: Secreted and transment
                                                                                                                                                                                                                                                                                                                                                        L5 ANSWER 9 OF 66 USPATFULL (Continued)
No. US 6455283 Continuation of Ser. No. US
                                                                                         2003:71348 USPATFULL
Secreted and transmembrane polypeptides and nucleic acids encoding the same
Ashkenazi, Avi J., San Mateo, CA, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Botatein, David, Belmont, CA, UNITED STATES
Deanoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Filvaroff, Ellen, San Francisco, CA, UNITED STATES
Filvaroff, Ellen, San Francisco, CA, UNITED STATES
Goo, Wei-Qiang, Palo Alto, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Goddard, J. Christopher, San Francisco, CA, UNITED
                                                                                                                                                                                                                                                                                                                                                                                                                                                   filed on 12 Mar 1999, ABANDONED Continuation of Ser. No. US 1999-284291, filed on 12 Apr 1999, ABANDONED Continuation of Ser. No. US 1999-311812, filed on 14 May 1999, PENDING Continuation of Ser. No. US 380137, PENDING Continuation of Ser. No. US 380137, PENDING Continuation of Ser. No. US 1999-380138, filed on 25 Aug 1999, ABANDONED Continuation of Ser. No. US 1999-380142, filed on 25 Aug 1999, ABANDONED Continuation of Ser. No. US 2000-709238, filed on 8
                                                                                                                                                                                                                                                                                                                                                        1999-267213,
 INVENTOR(S):
                                                                                                                                                                                                                                                                                                                                                        Nov
                                                                                                                                                                                                                                                                                                                                                                                                                                                      2000, ABANDONED Continuation of Ser. No. US 2000-723749, filed on 27 Nov 2000, PENDING
                                                                                                                                                                                                                                                                                                                                                        Continuation
                                                                                                                                                                                                                                                                                                                                                                                                                                                     of Ser. No. US 2000-747259, filed on 20 Dec 2000,
PENDING Continuation of Ser. No. US 2001-816744, filed
on 22 Mar 2001, PENDING Continuation of Ser. No. US
2001-816920, filed on 22 Mar 2001, PENDING
                                                                                         Grimaidi, J. Christopher, San Francisco, CA, UNITED STATES Gurney, Austin L., Belmont, CA, UNITED STATES Hillan, Kenneth J., San Francisco, CA, UNITED STATES Kljavin, Ivar J., Lefayette, CA, UNITED STATES Klyavin, Ivar J., Lefayette, CA, UNITED STATES Kuo, Sophia S., San Francisco, CA, UNITED STATES Napier, Mary A., Hillsborough, CA, UNITED STATES Pan, James, Belmont, CA, UNITED STATES Pani, Nicholas F., Belmont, CA, UNITED STATES Paoni, Nicholas F., Belmont, CA, UNITED STATES Shelton, David L., Oakland, CA, UNITED STATES Stewart, Timothy A., San Francisco, CA, UNITED STATES Stewart, Timothy A., San Francisco, CA, UNITED STATES Tumas, Daniel, Orinda, CA, UNITED STATES Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES Wood, William I., Hillsborough, CA, UNITED STATES Genentech, Inc. (U.S. corporation)
                                                                                             STATES
                                                                                                                                                                                                                                                                                                                                                        Continuation
                                                                                                                                                                                                                                                                                                                                                                                                                                                    of Ser. No. US 2001-854280, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-854208, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-870305, filed on 1 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-874503, filed on 5
                                                                                                                                                                                                                                                                                                                                                        Jun
                                                                                                                                                                                                                                                                                                                                                                                                                                                    2001, PENDING Continuation of Ser. No. US 2001-882636, filed on 14 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-886342, filed on 19 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-918585, filed on 30 Jul 2001, PENDING
PATENT ASSIGNEE(S):
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER
W0 1998-US2141
W0 1998-US2145
W0 1999-US106
W0 1999-US106
W0 1999-US1073
W0 1999-US1073
W0 1999-US28510
W0 1999-US28510
W0 1999-US28510
W0 1999-US28510
W0 1999-US31247
W0 2000-US219
W0 2000-US219
W0 2000-US217
W0 2000-US376
W0 2000-US3651
W0 2000-US5841
                                                                                                              NUMBER
                                                                                                                                                            KIND DATE
                                                                                                                                                                                                                                                                                                                                                        PRIORITY INFORMATION:
                                                                                           US 2003049633 A1 20030313 US 2001-97855 A1 20011016 (9) Continuation of Ser. No. US 1998-40220, filed on 17
  PATENT INFORMATION:
APPLICATION INFO.:
RELATED APPLN. INFO.:
                                                                                           1998, GRANTED, Pat. No. US 6391311 Continuation of
Ser.
                                                                                           No. US 1998-105413, filed on 26 Jun 1998, ABANDONED Continuation of Ser. No. US 1998-168978, filed on 7
Oct
                                                                                           1998, ABANDONED Continuation of Ser. No. US
1998-184216, filed on 2 Nov 1998, ABANDONED
Continuation of Ser. No. US 1998-187368, filed on 6
Nov
                                                                                           1998, PENDING Continuation of Ser. No. US 1998-202054, filed on 7 Dec 1998, PENDING Continuation of Ser. No. US 1998-218517, filed on 22 Dec 1998, ABANDONED Continuation of Ser. No. US 1999-254465, filed on 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20000211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20000302
20000321
                                                                                           1999, GRANTED, Pat. No. US 6410708 Continuation of
Ser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20000310
20000330
                                                                                           No. US 1999-265686, filed on 10 Mar 1999, GRANTED,
Pat
                  ANSWER 9 OF 66 USPATFULL
                                                                                          PATFULL (Continued)
WO 2000-US13705 20
WO 2000-US14042 20
WO 2000-US14941 20
                                                                                                                                                                                                                                                                                                                                                       L5 ANSWER 9 OF 66 USPATFULL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (Continued)
                                                                                                                                                                   20000517
20000522
                                                                                                                                                                                                                                                                                                                                                                                                                                                   US 1998-82804P
US 1998-82700P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            19980422 (60)
19980422 (60)
19980422 (60)
                                                                                                                                                                   20000530
                                                                                                                                                                                                                                                                                                                                                                                                                                                   US 1998-82797P
```

WO 2000-1	US15264 20000602	US		19980423	
WO 2000-1	US20710 20000728			19980427	
WO 2000-1	US23328 20000824			19980428	
WO 2000-1				19980429	
WO 2000-1				19980429	
WO 2001-1				19980429	
WO 2001-1					
WO 2001-1				19980429	
WO 2001-				19980429	
WO 2001-6				19980429	
				19980429	
WO 2001-0 WO 2001-0				19980429	
				19980429	
US 1997-				19980430	
US 1997-				19980505	
US 1997-				19980506	
US 1997-				19980506	
US 1998-1				19980507	
US 1998-1				19980507	
US 1998-1				19980507	
US 1998-			1998-84598P	19980507	(60)
US 1998-1			1998-84600P	19980507	(60)
US 1998-1			1998-84627P	19980507	(60)
US 1998-			1998-84643P	19980507	(60)
US 1998-1			1998-85339P	19980513	(60)
US 1998-1			1998-85338P	19980513	(60)
US 1998-1	78939P 19980320	60) US	1998-85323P	19980513	(60)
US 1998-7	79294P 19980325	60) US	1998-85582P	19980515	(60)
US 1998-	79656P 19980326	60) US	1998-85700P	19980515	(60)
US 1998-1	79664P 19980327	60) US	1998-856B9P	19980515	(60)
US 1998-	79689P 19980327	60) US		19980515	
US 1998-7	79663P 19980327	60) US		19980515	
US 1998-1	79728P 19980327			19980515	
US 1998-7	79786P 19980327	60) US		19980515	
US 1998-7	79920P 19980330	60) US		19980515	
US 1998-7	79923P 19980330			19980518	
US 1998-6	80105P 19980331			19980522	
US 1998-6	80107P 19980331			19980522	
US 1998-8	80165P 19980331			19980522	
US 1998-8	80194P 19980331			9980522	
US 1998-8	80327P 19980401	60) us		9980528	
US 1998-8	80328P 19980401	60) US		19980528 (
US 1998-8	80333P 19980401			19980528 (
US 1998-8	80334P 19980401			19980626 (
US 1998-6	81070P 19980408			19980626 (
US 1998-E	B1049P 19980408			19980701 (
US 1998-8	81071P 19980408			19980730 (
US 1998-8	81195P 19980409	60) us:		9980911 (
US 1998-8				9981120 (
US 1998-8	81229P 19980409			9981222 (
US 1998-8	81955P 19980415			9981223 (
US 1998-8	81817P 19980415			9990312 (
US 1998-8	81819P 19980415			9990329 (
US 1998-8				9990421 (
US 1998-8				9990426 (
US 1998-8				9990428 (
US 1998-8				9990514 (
US 1998-8				9990616 (

L5

```
ANSWER 9 OF 66 USPATFULL (Continued)
US 1999-141037P 19990623 (60)
US 1999-142680P 19990707 (60)
US 1999-145689P 19990726 (60)
US 1999-146222P 19990726 (60)
US 1999-162506P 19991029 (60)
    DOCUMENT TYPE:
FILE SEGMENT:
LEGAL REPRESENTATIVE:
                                                                                                     Utility
APPLICATION
                                                                                                    Ginger R. Dreger, Esq., Knobbe Martens Olson & Bear,
Suite 1150, 201 California Street, San Francisco, CA,
94111
    NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
LINE COUNT:
                              ARY CLAIM: 1
OF DRAWINGS: 237 Drawing Page(s)
DUNT: 21674
The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences,
                              polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.
 L5 ANSWER 10 OF 66 USPATFULL (Continued)
No. US 6455283 Continuation of Ser. No. US
  1999-267213.
                                                                                                 filed on 12 Mar 1999, ABANDONED Continuation of Ser.
No. US 1999-284291, filed on 12 Apr 1999, ABANDONED
Continuation of Ser. No. US 1999-31832, filed on 14
May 1999, PENDING Continuation of Ser. No. US 360137,
PENDING Continuation of Ser. No. US 1999-380138, filed
on 25 Aug 1999, ABANDONED Continuation of Ser. No. US
1999-380142, filed on 25 Aug 1999, ABANDONED
Continuation of Ser. No. US 2000-709238, filed on 8
  Nov
                                                                                                  2000, ABANDONED Continuation of Ser. No. U.
2000-723749, filed on 27 Nov 2000, PENDING
  Continuation
                                                                                                   of Ser. No. US 2000-747259, filed on 20 Dec 2000,
PENDING Continuation of Ser. No. US 2001-816744, filed
on 22 Mar 2001, PENDING Continuation of Ser. No. US
2001-816920, filed on 22 Mar 2001, PENDING
 Continuation
                                                                                                 of Ser. No. US 2001-854280, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-854208, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-870305, filed on 1 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-874503, filed on 5
                                                                                                 2001, PENDING Continuation of Ser. No. US 2001-882636, filed on 14 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-886342, filed on 19 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-918585, filed on 10 Jul 2001, PENDING
                                                                                              NUMBER

WO 1998-US21141
WO 1999-US21465
WO 1999-US106
WO 1999-US106
WO 1999-US107
WO 1999-US107
WO 1999-US107
WO 1999-US107
WO 1999-US2355
WO 1999-US23656
WO 1999-US31247
WO 2000-US3127
WO 2000-US3127
WO 2000-US3165
WO 2000-US3614
WO 2000-US5614
WO 2000-US5614
WO 2000-US5614
WO 2000-US5619
WO 2000-US5619
WO 2000-US5619
WO 2000-US5619
WO 2000-US6819
WO 2000-US6819
WO 2000-US6819
WO 2000-US6819
WO 2000-US6819
WO 2000-US6819
WO 2000-US14042
WO 2000-US14042
WO 2000-US14042
PRIORITY INFORMATION:
                                                                                                                                                                             19981007
19981120
19990105
1999030B
                                                                                                                                                                             19990310
19990512
19990602
199910602
19991130
19991202
19991202
19991230
20000106
20000106
20000212
20000212
20000212
20000212
20000217
20000217
20000217
20000217
20000217
20000522
20000522
```

```
LS ANSWER 10 OF 66

ACCESSION NUMBER:
TITLE:

1003:65338 USPATFULL

Secreted and transmembrane polypeptides and nucleic acids encoding the same

Ashkenazi, Avi J., San Mateo, CA, UNITED STATES

Baker, Kevin P., Darnestown, MD, UNITED STATES

Botstein, David, Belmont, CA, UNITED STATES

Deanoyers, Luc, San Francisco, CA, UNITED STATES

Deanoyers, Luc, San Francisco, CA, UNITED STATES

Eaton, Dan L., San Rafael, CA, UNITED STATES

Felvaroff, Ellen, San Francisco, CA, UNITED STATES

Fong, Sherman, Alameda, CA, UNITED STATES

Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES

Gerber, Hanspeter, San Francisco, CA, UNITED STATES

Gerber, Hanspeter, San Francisco, CA, UNITED STATES

Goddard, Audrey, San Francisco, CA, UNITED STATES

Goddwik, Paul J., Burlingme, CA, UNITED STATES

Goddwik, Paul J., Burlingme, CA, UNITED STATES

Goddwik, Paul J., Burlingme, CA, UNITED STATES

Gurney, Austin L., Belmont, CA, UNITED STATES

Gurney, Austin L., Belmont, CA, UNITED STATES

KID, Sophia S., San Francisco, CA, UNITED STATES

KUO, Sophia S., San Francisco, CA, UNITED STATES

KID, Sophia S., San Francisco, CA, UNITED STATES

KID, Sophia S., San Francisco, CA, UNITED STATES

RADIER, Mary A., Hillaborough, CA, UNITED STATES

RADIER, Mary A., Hillaborough, CA, UNITED STATES

RADIER, Margaret Ann, San Francisco, CA, UNITED STATES

RADIER, Daniel, Orinda, CA, UNITED STATES

Shelton, David L., Oakland, CA, UNITED STATES

Shelton, David L., Oakland, CA, UNITED STATES

Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES

Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES

Wood, William I., Hillaborough, CA, UNITED STATES

Wood, William I., Hillaborough, CA, UNITED STATES

Genentech, Inc. (2)

NUMBER XIND DATE

PATENT INFORMATION:

US 2003045462 Al 20030306

US 2001-978608 Al 20011016 (9)

Continuation of Ser. No. US 1998-40220, filed on 17

Mar

1998, GRANTED, Pat. No. US 619794, ABANDONED Continuation of Ser. No. US 1998-105415, filed on 2 Nov 1998, ABANDONED Continuation of Ser. No. US 1998-220054, filed on 7

1998, PENDING Continuatio
```

ANSWER	10	OF	66	USPA	TFULL.	(0	ontinu	ed)	
				WO	2000-L			20000728	
				WO	2000-L	JS233	28	20000824	
				WO	2000-L	JS326	78	20001201	
				WQ	2000-t	JS349	56	20001220)
				WO	2001-L	JS652	0	20010228	
				wo	2001-L	JS 9 5 5	2	20010322	
				WO	2001-L	JS170	92	20010525	
				WO				20010601	
				WO				20010620	
				WO				20010629	
				WO	2001-U			20010709	
				US	1997-6			19971017	
				US	1997-6			19971103	
				US	1997-6			19971113	
				US	1997-6			19971121	
				US	1998-7			19980310	(60)
				US	1998-7			19980311	(60)
				US	1998-7			19980311	
				US	1998-7			19980311	(60)
				US	1998-7			19980312	
				US	1998-7			19980313	(60)
				US	1998-7			19980320	
				US	1998-7			19980320	
				US	1998-7			19980320	
				US	1998-7			19980320	
				US US	1998-7 1998-7			19980325	
				US	1998-7			19980326	(60)
				US	1998-7			19980327 19980327	(60) (60)
				US	1998-7			19980327	(60)
				US	1998-7			19980327	(60)
				US	1998-7			19980327	(60)
				US	1998-7			19980330	(60)
				US	1998-7			19980330	(60)
				US	1998-8			19980331	(60)
				US	1998-8			19980331	(60)
				US	1998-8	0165		19980331	(60)
				US	1998-8	0194	P	19980331	(60)
				US	1998-8	0327	P	19980401	(60)
				US	1998-8	0328	P	19980401	(60)
				US	1998-8	0333	P	19980401	(60)
				US	1998-8	0334	P	19980401	(60)
				US	1998-8			19980408	(60)
				US	1998-8	1049	P	19980408	(60)
				US	1998-8			19980408	(60)
				US	1998-B			19980409	(60)
				US	1998-8			19980409	(60)
				υs	1998-8			19980409	(60)
				US	1998-8			19980415	(60)
				US	1998-8			19980415	(60)
				US	1998-8			19980415	(60)
				US	1998-8			19980415	(60)
				US	1998-8			19980415	(60)
				US	1998-8			19980421	(60)
				US US	1998-8			19980421	(60)
				US	1998-8			19980422 19980422	(60)
				US	1998-8			19980422	(60) (60)
				US	1998-8			19980422	(60)
				US	1998-8			19980422	(60)
				33		,6,	•	. , , , , , , , , , , , , , , , , , , ,	, , , ,

```
US 1998-83336P 19980427 (60)
US 1998-83336P 19980428 (60)
US 1998-83336P 19980428 (60)
US 1998-83395P 19980429 (60)
US 1998-83495P 19980429 (60)
US 1998-83495P 19980429 (60)
US 1998-83495P 19980429 (60)
US 1998-83545P 19980429 (60)
US 1998-83545P 19980429 (60)
US 1998-83558P 19980429 (60)
US 1998-83569P 19980429 (60)
US 1998-8466P 19980506 (60)
US 1998-84166P 19980506 (60)
US 1998-84166P 19980506 (60)
US 1998-84414P 19980506 (60)
US 1998-84414P 19980506 (60)
US 1998-8463PP 19980507 (60)
US 1998-8513PP 19980513 (60)
US 1998-8553PP 19980513 (60)
US 1998-8556PP 19980515 (60)
US 1998-8556PP 19980515 (60)
US 1998-8568PP 19980516 (60)
US 1998-8700P 19980516 (60)
```

```
LS ANSWER 10 OF 66 USPATFULL (Continued)

US 1999-141037P 19990623 (60)

US 1999-145698P 19990707 (60)

US 1999-145698P 19990726 (60)

US 1999-145698P 19990726 (60)

US 1999-145698P 19990728 (60)

US 1999-165222P 19990728 (60)

US 1999-165226P 19991029 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: Ginger R. Dreger, Eaq., Knobbe Martens Olson & Bear, 620 NEWPORT CENTER DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660

NUMBER OF CLAIMS: 57

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 237 Drawing Page(s)

LINE COUNT: 21638

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric

polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which hind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention and to methods for
```

```
L5 ANSWER 11 OF 66 USPATFULL (Continued)

W0 2000-US541 20000302

W0 2000-US6471 20000302

W0 2000-US4377 20000320

W0 2000-US13775 20000310

W0 2000-US131358 20000515

W0 2000-US131358 20000515

W0 2000-US14042 20000522

W0 2000-US14042 20000522

W0 2000-US14042 20000502

W0 2000-US152676 20000602

W0 2000-US152676 20000602

W0 2000-US23232 20000823

W0 2000-US23232 20000823

W0 2000-US23232 20000823

W0 2000-US23252 20000823

W0 2001-US232678 20001201

W0 2001-US17640 20010530

W0 2001-US17640 20010530

W0 2001-US17640 20010530

W0 2001-US17659 20010601

W0 2001-US17659 19997086 (60)

US 1997-56974P 1997091 (60)

US 1997-62165P 19971017 (60)

US 1997-63028P 19971024 (60)

US 1997-631329P 19971027 (60)

US 1997-631329P 19971027 (60)

US 1997-66440P 19971125 (60)

US 1997-66460P 19971125 (60)

US 1998-74092P 19980209 (60)

US 1998-74093P 19980210 (60)

US 1999-1999PP 19980209 (60)

US 1999-1999PP 19990209 (60)
```

ANSWER 11 OF 66 USPATFULL (Continued)
The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences,

chimeric

ic
polypeptide molecules comprising the polypeptides of the present
invention fused to heterologous polypeptide sequences, antibodies which
bind to the polypeptides of the present invention and to methods for
producing the polypeptides of the present invention.

```
ANSWER 12 OF 66 USPATFULL (Cont
WO 1999-US30999
WO 2000-US219
WO 2000-US4341
                                                                                                                                                                                                                                                           (Continued)
                                                                                                                                                                                                                                                                                                                 19991220
20000105
20000218
                                                                                                                                                                   WO 2000-US4142
WO 2000-US4141
WO 2000-US4414
WO 2000-US4414
WO 2000-US5841
WO 2000-US5841
WO 2000-US58439
WO 2000-US13775
WO 2000-US13755
WO 2000-US13755
WO 2000-US13755
WO 2000-US13751
WO 2000-US13921
WO 2000-US125244
WO 2000-US125247
WO 2000-US1252678
WO 2000-US125278
WO 2001-US17800
WO 2001-US17800
WO 2001-US17800
WO 2001-US17800
WO 2001-US17800
WO 2001-US17809
WO 2001-WS17809
WS 1998-740869
WS 1998-740869
WS 1998-740869
WS 1998-740869
WS 1998-810499
WS 1998-99611P
WS 1998-9961P
WS 1998-9961P
WS 1998-9961P
WS 1998-100859P
US 1998-100859P
US 1999-145690P
US 1999-145690P
US 1999-145690P
US 1999-145690P
US 1999-14599P
                                                                                                                                                                                                                                                                                                                    20000218
                                                                                                                                                                                                                                                                                                                    20000222
                                                                                                                                                                                                                                                                                                                    20000301
                                                                                                                                                                                                                                                                                                                    20000302
                                                                                                                                                                                                                                                                                                                    20000309
                                                                                                                                                                                                                                                                                                                    20000320
                                                                                                                                                                                                                                                                                                                    20000330
                                                                                                                                                                                                                                                                                                                   20000515
20000517
                                                                                                                                                                                                                                                                                                                   20000522
                                                                                                                                                                                                                                                                                                                    20000530
                                                                                                                                                                                                                                                                                                                    20000602
                                                                                                                                                                                                                                                                                                                 20000811
20000824
20000823
                                                                                                                                                                                                                                                                                                                   20001201
                                                                                                                                                                                                                                                                                                                 20010530
20010601
20010620
20010629
20010709
                                                                                                                                                                                                                                                                                                                 19970826
19970917
19970918
19970919
19971017
                                                                                                                                                                                                                                                                                                                   19971024
19971024
19971027
                                                                                                                                                                                                                                                                                                                    19971029
19971121
                                                                                                                                                                                                                                                                                                             19971.029 (60)
19971.121 (60)
19971.125 (60)
19971.216 (60)
19980.209 (60)
19980.325 (60)
19980.325 (60)
19980.316 (60)
19980.910 (60)
19980.910 (60)
19980.910 (60)
19980.910 (60)
19980.910 (60)
19980.910 (60)
19980.910 (60)
19980.910 (60)
19980.910 (60)
19980.910 (60)
19980.910 (60)
19980.910 (60)
19980.910 (60)
19980.910 (60)
19980.910 (60)
19990.910 (60)
19990.910 (60)
19990.910 (60)
19990.910 (60)
19990.910 (60)
DOCUMENT TYPE:
FILE SEGMENT:
LEGAL REPRESENTATIVE:
                                                                                                                                                                   Utility
APPLICATION
Ginger R. Dreger, Knobbe Martens Olson & Bear, 201
```

```
L5 ANSWER 12 OF 66 USPATFULL
ACCESSION NUMBER: 2003:64723 USPATFULL
TITLE: Secreted and record
                                                                                                                                                                                                                                                                                     JSPATFULL

2003:64723 USPATFULL

2003:64723 USPATFULL

Secreted and transmembrane polypeptides and nucleic acids encoding the same
Ashkenazi. Avi J., San Mateo, CA, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Botatein, David A., Belmont, CA, UNITED STATES
Desnoyers, Luc. San Francisco, CA, UNITED STATES
Desnoyers, Luc. San Francisco, CA, UNITED STATES
Eston, Dan L., San Rafael, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Forg, Sherman, Alameda, CA, UNITED STATES
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Kljavin, Ivar J., Layfayette, CA, UNITED STATES
Kljavin, Ivar J., Layfayette, CA, UNITED STATES
Kljavin, Ivar J., Layfayette, CA, UNITED STATES
Napier, Mary A., Hillaborough, CA, UNITED STATES
Paoni, Nicholae F., Belmont, CA, UNITED STATES
Paoni, Nicholae F., Belmont, CA, UNITED STATES
Paoni, Nicholae F., Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Chang, Zemin, Foster City, CA, UNITED STATES
Chenetech, Inc. (non-U.S. corporation)
   INVENTOR (S):
   PATENT ASSIGNEE(S):
```

NUMBËR KIND DATE

PATENT INFORMATION:	US 2003044844	A1 20030306	
APPLICATION INFO.:	US 2002-66211	A1 20020201 (10)
RELATED APPLN. INFO.:	Continuation of 2001, PENDING	Ser. No. US 2001-2796	, filed on 15 Nov
	NUMBER	DATE	
PRIORITY INFORMATION:	WO 1998-US14552		
PRIORITI INFORMATION:	WO 1998-US18824		
	WO 1998-US19093		
	WO 1998-US19330		
	WO 1998-US19437		
	WO 1998-US24855	19981120	
	WO 1998-US25108	19981201	
	WO 1998-US25190	19981125	
	WO 1999-US5028	19990308	
	WO 1999-US12252	19990602	
	WO 1999-US20111	19990901	
	WO 1999-US20594	19990908	
	WO 1999-US21090		
	WO 1999-US21547		
	WO 1999-US28301		
	WO 1999-US28313		
	WO 1999-US28565	19991202	

L5 ANSWER 12 OF 66 USPATFULL (Continued) California Street, Suite 1150, San Francisco, CA.

94111 NUMBER OF CLAIMS:

39

EXEMPLARY CLAIM: NUMBER OF DRAWINGS: 75 Drawing Page(s)

NUMBER OF DRAWINGS: 75 Drawing Page(s)
LINE COUNT: 12202
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences,

polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

ANSWER 13 OF 66 USPATFULL

```
SPATFULL
2003:64721 USPATFULL
Secreted and transmembrane polypeptides and nucleic acids encoding the same Deenoyers, Luc. San Francisco, CA, UNITED STATES Eaton, Dan L., San Rafael, CA, UNITED STATES Goddard, Audrey, San Francisco, CA, UNITED STATES Godwaki. Paul J., Hilleborough, CA, UNITED STATES Gurney, Austin L., Belmont, CA, UNITED STATES Pan, James, Belmont, CA, UNITED STATES Pan, James, Belmont, CA, UNITED STATES Watanabe, Colin K., Moraga, CA, UNITED STATES Watanabe, Colin K., Moraga, CA, UNITED STATES Wood, Milliam I., Hillsborough, CA, UNITED STATES Genentech, Inc. (U.S. corporation)
   ACCESSION NUMBER:
  TITLE:
  INVENTOR(S):
  PATENT ASSIGNEE (S):
                                                                                                                    NUMBER KIND DATE

US 2003044842 Al 20030306
US 2001-36160 Al 20011226 (10)
Continuation of Ser. No. US 2001-931836, filed on 16
Aug 2001, PENDING
  PATENT INFORMATION:
  APPLICATION INFO.:
RELATED APPLN. INFO.:
                                                                                                                                                        NUMBER
                                                                                                                    W0 1999-US10733
W0 1999-US20551
W0 1999-US30720
W0 2000-US5601
W0 2000-US5801
W0 2000-US15844
W0 2000-US15844
W0 2000-US31528
W0 2000-US31528
W0 2000-US31528
W0 2000-US31528
W0 2000-US314578
W0 2001-US6520
W0 2001-US6520
W0 2001-US17800
W0 2001-US21735
US 1998-1817514
US 1998-1813100P
US 1998-1131601P
US 1998-1131601P
US 1998-1131601P
US 1998-1131601P
US 1998-1131601P
US 1998-1131621P
US 1998-1131621P
US 1999-1125774P
US 1999-125774P
US 1999-125774P
US 1999-125774P
US 1999-125774P
US 1999-125774P
US 1999-125774P
US 1999-1258266P
US 1999-127035P
US 1999-127035P
US 1999-127035P
US 1999-127736P
US 1999-127736P
US 1999-127736P
  PRIORITY INFORMATION:
                                                                                                                                                                                                                  19990514
                       ANSWER 14 OF 66 USPATFULL
ACCESSION NUMBER:
                                                                                                                      2003:57450 USPATFULL
```

```
19990427 (60)
19990427 (60)
19990427 (60)
19990504 (60)
                                                                                 US 1999-131291P 19990427 (60)
US 1999-132371P 19990504 (60)
US 1999-132379P 19990504 (60)
US 1999-132381P 19990504 (60)
US 1999-135750P 19990525 (60)
US 1999-135760P 19990525 (60)
US 1999-144791P 19990720 (60)
US 1999-162506P 19990803 (60)
US 1999-162506P 19990803 (60)
UTILITY
APPLICATION
Ginger R. Dreger, Knobbe Martens Olson & Bear, Suite
1150, 201 California Street, San Francisco, CA, 94111
21
                                                                                    US 1999-131291P
 DOCUMENT TYPE:
 FILE SEGMENT:
LEGAL REPRESENTATIVE:
 NUMBER OF CLAIMS
NUMBER OF CLAIMS: 21
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 46 Drawing Page(s)
LINE COUNT: 1147
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric
                        ic
polypeptide molecules comprising the polypeptides of the present
invention fused to heterologous polypeptide sequences, antibodies wh
bind to the polypeptides of the present invention and to methods for
producing the polypeptides of the present invention.
```

```
JSPATFULL

2001:57450 USPATFULL

Secreted and transmembrane polypeptides and nucleic acids encoding the same
Ashkenazi, Avi J., San Mateo, CA, UNITED STATES
Baker, Kevin P., Dernestown, MD, UNITED STATES
Botstein, David A., Beimont, CA, UNITED STATES
Botstein, David A., Beimont, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Goo, Wei-Qiang, Palo Alto, CA, UNITED STATES
Goo, Wei-Qiang, Palo Alto, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Surney, Austin L., Belmont, CA, UNITED STATES
KIjavin, Ivar J., Leyfayette, CA, UNITED STATES
KIjavin, Ivar J., Leyfayette, CA, UNITED STATES
Napier, Mary A., Hillsborough, CA, UNITED STATES
Paoni, Nicholas P., Belmont, CA, UNITED STATES
Paoni, Nacholas P., Belmont, CA, UNITED STATES
Paoni, Nacholas P., Belmont, CA, UNITED STATES
Paoni, Nicholas P., Belmont, CA, UNITED STATES
Matansbe, Colin K., Moraga, CA, UNITED STATES
Matansbe, Colin K., Moraga, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Chemetech, Inc. (U.S. Corporation)

NUMBER KIND DATE
TITLE:
INVENTOR (S):
PATENT ASSIGNEE(S):
                                                                                                                                                                                                                             NUMBER KIND DATE

US 2003040014 A1 20030227
US 2002-66269 A1 20020201 (10)
Continuation of Ser. No. US 2001-2796, filed on 15 Nov 2001, PENDING
PATENT INFORMATION:
APPLICATION INFO.:
RELATED APPLN. INFO.:
```

```
NUMBER
                                                                                                                                                                                                                 NUMBER
W0 1998-US14552
W0 1998-US18824
W0 1998-US1990
W1 1998-US19130
W0 1998-US19437
W0 1998-US19437
W0 1998-US2455
W0 1998-US25190
W0 1999-US25190
W0 1999-US25190
W0 1999-US20154
W0 1999-US20154
W0 1999-US21547
W0 1999-US21547
W0 1999-US283101
W0 1999-US283101
W0 1999-US283101
W0 1999-US283101
W0 1999-US283109
W0 1999-US283109
W0 1999-US283109
W0 1999-US283109
W0 1999-US283109
W0 2000-US4344
PRIORITY INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                 19980714
19980916
19980914
19980916
19981201
19981201
19981120
19990308
19990602
19990901
19990915
19990915
19991202
19991202
19991202
                                                                                                                                                                                                                                                                                                                                                                                                   20000218
```

```
| MO 2000-US4414 | 20000222 | MO 2000-US5801 | 20000301 | MO 2000-US5841 | 20000302 | MO 2000-US5841 | 20000302 | MO 2000-US4371 | 20000309 | MO 2000-US4377 | 20000310 | MO 2000-US13705 | 20000515 | MO 2000-US13705 | 20000515 | MO 2000-US13705 | 20000517 | MO 2000-US14941 | 20000522 | MO 2000-US14941 | 20000520 | MO 2000-US14941 | 20000520 | MO 2000-US14941 | 20000520 | MO 2000-US15264 | 20000602 | MO 2000-US22328 | 20000824 | MO 2000-US23522 | 20000823 | MO 2000-US23522 | 20000823 | MO 2000-US23522 | 20000824 | MO 2000-US23528 | 20000824 | MO 2001-US23522 | 20000823 | MO 2001-US15620 | 2001020 | MO 2001-US15620 | 2001020 | MO 2001-US15620 | 2001020 | MO 2001-US15620 | 20010620 | MO 2001-US17800 | 20010601 | MO 2001-US17800 | 20010601 | MO 2001-US17800 | 20010602 | MO 2001-US17800 | 20010602 | MO 2001-US21066 | 20010629 | MO 2001-US21066 | 20010620 | MO 2001-US21066 | 20010
L5 ANSWER 14 OF 66 USPATFULL
DOCUMENT TYPE:
FILE SEGMENT:
LEGAL REPRESENTATIVE:
NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
                                                                                                                                                                                                                                                                                                                                                                                75 Drawing Page(s)
```

ANSWER 14 OF 66 USPATFULL (Continued)
E COUNT: 12217
INDEXING IS AVAILABLE FOR THIS PATENT.
The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences,

not polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

```
SPATFULL (Continued)
WO 2000-US4341 200
WO 2000-US4342 200
WO 2000-US414 200
WO 2000-US5601 200
WO 2000-US5841 200
                                     ANSWER 15 OF 66 USPATFULL
                                                                                                                                                                                                                                                                                                                                            20000218
20000218
20000222
                                                                                                                                                                                  WO 2000-USS801
WO 2000-USS801
WO 2000-USS841
WO 2000-USS4717
WO 2000-USS4717
WO 2000-USS4717
WO 2000-USS13758
WO 2000-USS13758
WO 2000-USS13758
WO 2000-USS13758
WO 2000-USS13758
WO 2000-USS13758
WO 2000-USS13763
WO 2000-USS1362
WO 2000-USS1362
WO 2000-USS1362
WO 2000-USS1362
WO 2001-USS17463
WO 2001-USS17463
WO 2001-USS1766
WO 2001-USS1766
WO 2001-USS1766
WO 2001-USS1766
WO 2001-USS1766
WO 2001-USS1765
WO 2001-
                                                                                                                                                                                                                                                                                                                                              20000515
                                                                                                                                                                                                                                                                                                                                                20000517
                                                                                                                                                                                                                                                                                                                                              20000522
                                                                                                                                                                                                                                                                                                                                            20000602
20000811
20000824
20000823
                                                                                                                                                                                                                                                                                                                                              20001201
                                                                                                                                                                                                                                                                                                                                                20010228
                                                                                                                                                                                                                                                                                                                                              20010530
                                                                                                                                                                                                                                                                                                                                              20010601
                                                                                                                                                                                                                                                                                                                                              20010620
                                                                                                                                                                                                                                                                                                                                              20010629
                                                                                                                                                                                                                                                                                                                                              20010709
                                                                                                                                                                                                                                                                                                                                              19970826 (60)
19970917 (60)
                                                                                                                                                                                                                                                                                                                                                19970918 (60)
                                                                                                                                                                                                                                                                                                                                            19970918
19970919
19971017
19971024
19971027
19971027
19971121
                                                                                                                                                                                                                                                                                                                                              19971125
                                                                                                                                                                                                                                                                                                                                              19971216
                                                                                                                                                                                                                                                                                                                                              19980209
                                                                                                                                                                                                                                                                                                                                                                                                                       (60)
                                                                                                                                                                                                                                                                                                                                              19980209
                                                                                                                                                                                                                                                                                                                                                                                                                   (60)
(60)
                                                                                                                                                                                                                                                                                                                                              19980325
19980408
                                                                                                                                                                                                                                                                                                                                              19980810
                                                                                                                                                                                                                                                                                                                                              19980818
                                                                                                                                                                                                                                                                                                                                        19980909 (60)
19980910 (60)
19980910 (60)
19980910 (60)
19980912 (60)
19981028 (60)
19981028 (60)
19990323 (60)
19990323 (60)
19990720 (60)
19990720 (60)
19990726 (60)
19990726 (60)
19990726 (60)
                                                                                                                                                                                                                                                                                                                                              19980909
                                                                                                                                                                                       Utility
APPLICATION
KNOBBE, MARTENS, OLSON & BEAR, LLP, 620 NEWPORT CENTER
DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660
FILE SEGMENT:
LEGAL REPRESENTATIVE:
```

NUMBER OF CLAIMS:

```
L5 ANSWER 15 OF 66

ACCESSION NUMBER:
2003:44753 USPATFULL
Secreted and transmembrane polypeptides and nucleic acids encoding the same
Ashkenazi, Avi J. San Mateo, CA, UNITED STATES
Baker, Kevin P., Dernestown, MD, UNITED STATES
Desnoyers, Luc. San Francisco, CA, UNITED STATES
Desnoyers, Luc. San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Gen, Wei-Qiang, Palo Alto, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Geritsen, Mary E., San Mateo, CA, UNITED STATES
Godowski, Paul J., Hillsborough, CA, UNITED STATES
Godowski, Paul J., Hillsborough, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Kljavin, Ivar J., Layfayette, CA, UNITED STATES
Napier, Mary A., Hillsborough, CA, UNITED STATES
Napier, Mary A., Hillsborough, CA, UNITED STATES
Napier, Mary A., Hillsborough, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Pan, James, Delmont, CA, UNITED STATES
Napier, Mary A., Hillsborough, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Pan, James, Delmont, CA, UNITED STATES
Now, Margaret Ann, San Francisco, CA, UNITED STATES
Stewart, Timothy A., San Prancisco, CA, UNITED STATES
Watanabe, Colin K., Morega, CA, UNITED STATES
Watanabe, Colin K., Morega, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
Vood, William I., Hillsborough, CA, UNITED STATES
Zhang, Zemin, Foster City, CA, UNITED STATES
Zhang, Zemin, Foster City, CA, UNITED STATES
                                                                                                                                                                                                                                                                           NUMBER
                                                                                                                                                                                                                                                                                                                                                                                                  KIND DATE
                                                                                                                                                                                                                                                                                                                                                                Al 20030213
Al 20020201 (10)
of Ser. No. US 2001-2796, filed on 15 Nov
                                                                                                                                                                                                                                US 2003032063 A:
US 2002-66494 A
Continuation of Ser.
2001, PENDING
      PATENT INFORMATION:
      APPLICATION INFO .: RELATED APPLN. INFO .:
                                                                                                                                                                                                                                                                                                                                                                                                                                DATE
                                                                                                                                                                                                                           NUMBER
WO 1998-US19093
WO 1998-US19430
WO 1998-US19437
WO 1998-US2194
WO 1998-US24855
WO 1998-US25108
WO 1999-US25108
WO 1999-US2011
WO 1999-US2011
WO 1999-US21040
WO 1999-US21040
WO 1999-US21040
WO 1999-US21040
WO 1999-US21040
WO 1999-US28301
                                                                                                                                                                                                                                                                                                                                                                                                              19980914
19980916
19980917
19981201
19981201
1998125
19990308
19990901
19990901
19990915
19990915
19991201
    PRIORITY INFORMATION:
```

ANSWER 15 OF 66 USPATFULL (Continued) EXEMPLARY CLAIM: NUMBER OF DRAWINGS: LINE COUNT:

ANSWER 15 OF 66 USPATFULL (COntinue),
MPLARY CLAIM:

1
BER OF DRAWINGS: 75 Drawing Page(s)
E COUNT:
12196
INDEXING IS AVAILABLE FOR THIS PATENT.
The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences,

polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

```
LS ANSWER 16 OF 66 ACCESSION NUMBER:

TITLE:

2003/44752 USPATFULL
Secreted and transmembrane polypeptides and nucleic acids encoding the same
ABMKenazi, Avi J., San Mateo, CA, UNITED STATES
Baker, Kevin P., Darneatown, MD, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Cao, Mei-Oiang, Palo Alto, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Godowski, Paul J., Hilaborough, CA, UNITED STATES
Godowski, Paul J., Hilaborough, CA, UNITED STATES
Godowski, Paul J., Hilaborough, CA, UNITED STATES
Kljavin, Ivar J., Leyfayette, CA, UNITED STATES
Mather, Jennie P., Milbrae, CA, UNITED STATES
Mapier, Mary A., Milaborough, CA, UNITED STATES
May Margiert, Mary A., Milaborough, CA, UNITED STATES
ROY, Margiert, May San Francisco, CA, UNITED STATES
May Margiert, May San Francisco, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Wood, Milliam I., Hillaborough, CA, UNITED STATES
Wood, Milliam I., Hillaborough, CA, UNITED STATES
Wood, Milliam I., Hillaborough, CA, UNITED STATES
Cahen, Foster City, CA, UNITED STATES
Cahentech, Inc. (U.S. corporation)

NUMBER

PATENT INFORMATION:
NUMBER

NUMBER
```

```
L5 ANSWER 16 OF 66 USPATFULL (Continued) WO 1999-US30999 199 WO 2000-US219 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             19991220
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO 2000-US219
WO 2000-US4141
WO 2000-US4141
WO 2000-US4141
WO 2000-US54014
WO 2000-US54014
WO 2000-US5801
WO 2000-US5801
WO 2000-US5819
WO 2000-US13158
WO 2000-US13158
WO 2000-US13158
WO 2000-US13158
WO 2000-US131694
WO 2001-US131695
WO 2001-US131695
WO 2001-US131695
WO 2001-US16969
WO 2001-US1698-0986
WO 2001-US16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20000218
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20000218
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20000222
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20000301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20000305
20000305
20000310
20000515
20000517
2000052
20000530
20000602
2000081
2000082
2001023
2001023
2001023
2001062
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       19980209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             19980209
19980325
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             19980408
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             19980810
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        19980818
19980909
19980910
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   19980910
19980910
19980917
19980924
19981028
19981120
19990323
19990615
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (60)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        19990720
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             19990726
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        19990817 (60
```

DOCUMENT TYPE: Utility
PILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: KNOBBE, MARTENS, OLSON & BEAR, LLP, 620 NEWPORT CENTER
DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660
NUMBER OF CLAIMS: 39
NUMBER OF DRAWINGS: 75 Drawing Page(s)
LINE COUNT: 1204
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present

(Continued)

L5 ANSWER 16 OF 66 USPATFULL

ic
polypeptide molecules comprising the polypeptides of the present
invention fused to heterologous polypeptide sequences, antibodies which
bind to the polypeptides of the present invention and to methods for
producing the polypeptides of the present invention.

LS ANSWER 17 OF 66

ACCESSION NUMBER: 2003:44751 USPATFULL

Secreted and transmembrane polypeptides and nucleic acids encoding the same

INVENTOR(S):

Beaton, Dan L., San Rafael, CA, UNITED STATES
GODIARA, Audrey, San Francisco, CA, UNITED STATES
GURNEY, Austin L., Belmont, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
Tang, Zemin, Foster City, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)

NUMBER KIND DATE

NUMBER DATE

NOTOMATION: WO 1999-US10733 19990514 WO 1999-US28551 19991202 WO 1999-US28551 19991202 WO 1999-US28551 19991202 WO 2000-US5641 20000301 WO 2000-US5641 20000302 WO 2000-US15264 20000602 WO 2000-US15264 20000602 WO 2000-US13128 20000602 WO 2000-US31282 20000824 WO 2000-US31282 20000824 WO 2000-US31265 20001201 WO 2000-US31456 20001220 WO 2001-US1865 20001220 WO 2001-US1865 20010228 WO 2001-US1780 20010601 WO 2001-US1780 20010601 WO 2001-US1780 20010601 WO 2001-US1785 20010629 WO 2001-US1785 20010629 WO 2001-US1785 20010629 WO 2001-US1785 20010799 US 1998-15554P 19981215 (60) US 1998-113100P 19981222 (60) US 1998-113100P 19981222 (60) US 1998-113100P 19981222 (60) US 1998-114100P 19981223 (60) US 1998-114100P 19981223 (60) US 1999-116641P 1999122 (60) US 1999-116641P 1999122 (60) US 1999-116641P 1999122 (60) US 1999-116641P 1999012 (60) US 1999-127778P 1999013 (60) US 1999-127778P 1999013 (60) US 1999-127778P 1999013 (60) US 1999-127778P 1999013 (60) US 1999-127708P 1999013 (60) US 1999-127708P 1999013 (60) US 1999-127008P 19990417 (60) US 1999-13038PP 19990447 (60) US 1999-131329P 19990447 (60)

L5 ANSWER 18 OF ACCESSION NUMBER: TITLE:

```
ANSWER 17 OF 66 USPATFULL (Continued)
US 1999-122179P 1999
US 1999-123187P 1999
US 1999-135750P 1999
US 1999-144791P 1999
US 1999-144791P 1999
US 1999-169506P 1999
                                                                                                                                                     Jed)
19990504 (60)
19990504 (60)
19990525 (60)
19990608 (60)
19990720 (60)
19990803 (60)
19991029 (60)
 DOCUMENT TYPE:
                                                                                    Utility
APPLICATION
 FILE SEGMENT:
LEGAL REPRESENTATIVE:
                                                                                   Gringer R. Dreger, Esq., Knobbe, Martens, Olson & Bear,
LLP, 201 California Street #1150, San Francisco, CA,
94111-3335
21
NUMBER OF CLAIMS: 21

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 46 Drawing Page(s)

LINE COUNT: 11475

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences,
                        not polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide asquences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.
```

```
DOCUMENT TYPE:
FILE SEGMENT:
LEGAL REPRESENTATIVE:
```

L5 ANSWER 18 OF 66 ACCESSION NUMBER: TITLE:	2003:44747 USPATFULL Secreted and transmembrane polypeptides and nucleic
INVENTOR(S):	acids encoding the same Ashkenszi, Avi J., San Mateo, CA, UNITED STATES Baker, Kevin P., Darnestown, MD, UNITED STATES Botstein, David A., Belmont, CA, UNITED STATES Desnoyers, Luc, San Francisco, CA, UNITED STATES Desnoyers, Luc, San Francisco, CA, UNITED STATES Eaton, Dan L., San Rafael, CA, UNITED STATES Eaton, Dan L., San Rafael, CA, UNITED STATES Ferrara, Napoleone, San Francisco, CA, UNITED STATES Godo, Wei-Qiang, Pelo Alto, CA, UNITED STATES Godowaki, Paul J., Hilsborough, CA, UNITED STATES Goddard, Audrey, San Francisco, CA, UNITED STATES Godowaki, Paul J., Hilsborough, CA, UNITED STATES Kljavin, Ivar J., Layfayete, CA, UNITED STATES Mather, Jennie P., Millborough, CA, UNITED STATES Mather, Jennie P., Millsborough, CA, UNITED STATES Pan, James, Belmont, CA, UNITED STATES Paoni, Nicholas F., Belmont, CA, UNITED STATES Roy, Margaret Ann, San Francisco, CA, UNITED STATES Stewart, Timothy A., San Francisco, CA, UNITED STATES Tumas, Daniel, Orinde, CA, UNITED STATES Walliame, P. Mickey, Half Moon Bay, CA, UNITED STATES Walliame, P. Mickey, Half Moon Bay, CA, UNITED STATES Wood, William I., Hilsborough, CA, UNITED STATES
PATENT ASSIGNEE(S):	Zhang, Zemin, Foster City, CA, UNITED STATES GENENTECH, INC. (U.S. corporation)

		NUMBER			
PATENT INFORMATION:					
APPLICATION INFO.:	US	2001-2796	A1	20011115	(10)
		NUMBER			
PRIORITY INFORMATION:		1998-US14552			
		1998-US18824			
		1998-US19093			
		1998-US19330			
		1998-US19437			
		1998-US24855			
		1998-US25108			
		1998-US25190	1998		
	WO	1999-US5028			
	WO	1999-US12252	1999	0602	
	WO	1999-US20111	1999	0901	
		1999-US20594		0908	
	WO	1999-US21090	1999	0915	
	WO	1999-US21547	1999	0915	
	WO	1999-U528301	1999	1201	
	WO	1999-US28313	1999	1130	
		1999-US28565			
		1999-US30999			
	WO	2000-U\$219	2000	0105	

L5 ANSWER 18 OF 66	USPATFULL	(Continued)
NUMBER OF CLAIMS:	39	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	75 Drawing	Page (s)
LINE COUNT:	12185	=

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences,

polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

```
LS ANSWER 19 OF 66
ACCESSION NUMBER:
TITLE:
Secreted and transmembrane polypeptides and nucleic acids encoding the same
Demoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Goddwell, Paul J., Hillsborough, CA, UNITED STATES
Godwell, Paul J., Hillsborough, CA, UNITED STATES
Godwell, Paul J., Hillsborough, CA, UNITED STATES
Stewert, Timothy A., San Francisco, CA, UNITED STATES
Stewert, Timothy A., San Francisco, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
Zhang, Zemin, Foster City, CA, UNITED STATES
GENENTECH, INC. (U.S. corporation)
                                                                                                                          NUMBER KIND DATE

US 2003027249 A1 20030206
US 2001-931836 A1 20010816 (9)
Continuation of Ser. No. US 1999-311832, filed on 14
May 1999, PENDING Continuation of Ser. No. US
1999-380142, filed on 25 Aug 1999, ABANDONED
Continuation of Ser. No. US 2000-644848, filed on 22
Aug 2000, PENDING Continuation of Ser. No. US
2000-747259, filed on 20 Dec 2000, PENDING
                                                                                                                                                        NUMBER
                                                                                                                                                                                                                         KIND
                                                                                                                                                                                                                                                              DATE
  PATENT INFORMATION:
  APPLICATION INFO.:
RELATED APPLN. INFO.:
 Continuation
                                                                                                                           of Ser. No. US 2001-816744, filed on 22 Mar 2001,
PENDING Continuation of Ser. No. US 2001-854208, filed
on 10 May 2001, PENDING Continuation of Ser. No. US
2001-854280, filed on 10 May 2001, PENDING
Continuation
                                                                                                                           of Ser. No. US 2001-874503, filed on 5 Jun 2001, PENDING Continuation of Ser. No. US 2001-869599, filed on 29 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-908827, filed on 18 Jul 2001, PENDING
                                                                                                                                                                NUMBER
                                                                                                                                                                                                                                        DATE
                                                                                                                           WO 1999-US10733
WO 1999-US28551
WO 1999-US30720
WO 2000-US5601
 PRIORITY INFORMATION:
                                                                                                                                                                                                                                19990514
                                                                                                                                                                                                                             19990514
19991202
19991222
20000301
20000302
20000522
                                                                                                                         NO 2000-USS601
NO 2000-USS1404
NO 2000-USS1404
NO 2000-USS15264
NO 2000-USS15264
NO 2000-USS3128
NO 2000-USS31278
NO 2000-USS12678
NO 2001-USS1678
NO 2001-USS1666
NO 2001-USS17999
NO 2001-USS17999
US 1998-85579P
US 1998-112514P
                                                                                                                                                                                                                                20000602
                                                                                                                                                                                                                                20000022
                                                                                                                                                                                                                                20000021
                                                                                                                                                                                                                                20001201
                                                                                                                                                                                                                             20001220
20010228
20010601
20010620
20010629
20010709
                                                                                                                                                                                                                               19980515 (60)
19981215 (60)
                                                                                                             USPATFULL
2003:10653 USPATFULL
Secreted and transmembrane polypeptides and nucleic acids encoding the same
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Goddowski, Paul J., Hillsborough, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Stewart, Timochy A, San Francisco, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
Zhang, Zemin, Foster City, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)
PATENT ASSIGNEE(S):
                                                                                                                         NUMBER KIND DATE

US 2003008348 Al 20030109
US 2001-35855 Al 20011226 (10)
Continuation of Ser. No. US 2001-931836, filed on 16
Aug 2001, PENDING
                                                                                                                                                                                                                                        DATE
                                                                                                                     WO 1999-US10733
WO 1999-US208551
WO 1999-US208551
WO 1999-US30720
WO 2000-US5601
WO 2000-US5601
WO 2000-US1504
WO 2000-US1504
WO 2000-US15228
WO 2000-US132678
WO 2000-US232528
WO 2000-US232678
WO 2000-US232678
WO 2001-US16780
WO 2001-US17800
WO 2001-US17800
WO 2001-US17800
WO 2001-US17800
WO 2001-US17800
WO 2001-US1735
US 1998-1131300
US 1998-1131400
US 1998-1131400
US 1998-113610
US 1998-116510
US 1999-115520
US 1999-115520
US 1999-1257740
US 1999-1257740
US 1999-1257740
US 1999-1277050
                                                                                                                                                                                                                       19990514
19991202
19991222
PRIORITY INFORMATION:
                                                                                                                                                                                                                             20000301
                                                                                                                                                                                                                             20000522
                                                                                                                                                                                                                               20000602
                                                                                                                                                                                                                               20000823
                                                                                                                                                                                                                               20000824
                                                                                                                                                                                                                               20001201
                                                                                                                                                                                                                               20001220
                                                                                                                                                                                                                               20010228
                                                                                                                                                                                                                               20010601
                                                                                                                                                                                                                               20010620
                                                                                                                                                                                                                             20010629
                                                                                                                                                                                                                           20010629
20010709
19980515
19981225
19981222
19981223
19981223
19981223
19981223
19990122
19990122
19990323
19990323
```

19990323 (60) 19990324 (60) 19990324 (60) 19990331 (60) 19990405 (60) 19990413 (60) 19990427 (60) 19990427 (60) 19990427 (60) 19990504 (60)

```
L5 ANSWER 19 OF 66 USPATFULL (Continued)
US 1998-113300P 199
US 1998-113400P 199
US 1998-11360SP 199
                                                                                                                                                                                                                                                                                                                                                                                  19981222 (60)
19981223 (60)
19981223 (60)
                                                                                                                                                                                                 US 1999-113430P 19981223 (60)
US 1998-11360F 19981223 (60)
US 1998-113621P 19981223 (60)
US 1998-114140P 19981223 (60)
US 1999-115552P 19990122 (60)
US 1999-125774P 19990123 (60)
US 1999-125774P 19990123 (60)
US 1999-125774P 19990123 (60)
US 1999-125774P 19990124 (60)
US 1999-127706P 19990405 (60)
US 1999-127706P 19990405 (60)
US 1999-131373P 1999041 (60)
US 1999-131273P 1999041 (60)
US 1999-131274P 19990427 (60)
US 1999-13237P 1999041 (60)
US 1999-13237P 19990405 (60)
US 1999-13237P 19990504 (60)
US 1999-13237P 19990504 (60)
US 1999-13237P 19990504 (60)
US 1999-132550P 19990504 (60)
US 1999-14693P 19990504 (60)
DOCUMENT TYPE:
FILE SEGMENT:
LEGAL REPRESENTATIVE:
  NUMBER OF CLAIMS:
NUMBER OF CLAIMS: 21
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 46 Drawing Page(s)
LINE COUNT: 11478
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences,
                                                          c
polypeptide molecules comprising the polypeptides of the present
invention fused to heterologous polypeptide sequences, antibodies which
bind to the polypeptides of the present invention and to methods for
producing the polypeptides of the present invention.
```

```
L5 ANSWER 20 OF 66 USPATFULL
                                                                                     (Continued)
                                                         19990504 (60)
19990504 (60)
                                                                                                                              (60)
(60)
(60)
(60)
                                                                                                         19990525
                                                                                                         19990608
                                                                                                         19990720
19990803
                                                                                                         19991029 (60
 DOCUMENT TYPE:
 FILE SEGMENT:
                                                         APPLICATION
Ginger R. Dreger, Knobbe Martens Olson & Bear, Suite
1150, 201 California Street, San Francisco, CA, 94111
21
 LEGAL REPRESENTATIVE:
 NUMBER OF CLAIMS:
NUMBER OF CLAIMS: 21
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 46 Drawing Page(s)
LINE COUNT: 11475
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences,
                ic
polypeptide molecules comprising the polypeptides of the present
invention fused to heterologous polypeptide sequences, antibodies which
bind to the polypeptides of the present invention and to methods for
producing the polypeptides of the present invention.
```

```
ANSWER 21 OF 66 USPATFULL
                                                                                                           SPATFULL

2003:4063 USPATFULL

Secreted and transmembrane polypeptides and nucleic acids encoding the same

Ashkenazi, Avi J.. San Mateo, CA, UNITED STATES

Baker, Kevin P., Darnestown, MD, UNITED STATES

Botstein, David, Belmont, CA, UNITED STATES

Botstein, David, Belmont, CA, UNITED STATES

Deenoyers, Luc, San Francisco, CA, UNITED STATES

Ferrara, Napoleone, San Francisco, CA, UNITED STATES

Ferrara, Napoleone, San Francisco, CA, UNITED STATES

Filvaroff, Ellen, San Francisco, CA, UNITED STATES

Fong, Sherman, Alameda, CA, UNITED STATES

Gao, Wei-Qiang, Pelo Alto, CA, UNITED STATES

Gerber, Hangpeter, San Francisco, CA, UNITED STATES

Goddard, Audrey, San Francisco, CA, UNITED STATES

Goddard, Audrey, San Francisco, CA, UNITED STATES

Goddord, Audrey, San Francisco, CA, UNITED STATES

Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
                                                                                                               2003:4063 USPATFULL
    ACCESSION NUMBER:
TITLE:
    INVENTOR(S):
                                                                                                            STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Hillen, Kenneth J., San Francisco, CA, UNITED STATES
Kijavin, Ivar J., Lafayette, CA, UNITED STATES
Kuo, Sophia S., San Francisco, CA, UNITED STATES
Napier, Mary A., Hillsborough, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Panni, Nicholas F., Belmont, CA, UNITED STATES
Roy, Margaret Ann. San Francisco, CA, UNITED STATES
Shelton, David L., Oakland, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
Tumas, Daniel, Orinda, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, Milliam I., Millsborough, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)
    PATENT ASSIGNEE(S):
                                                                                                            NUMBER KIND DATE

US 2003004102 A1 20030102
US 2001-978189 A1 20011015 (9)
Continuation of Ser. No. US 1998-40220, filed on 17
   FAIENT INFORMATION:
APPLICATION INFO.:
RELATED APPLN. INFO.:
Mar
     PATENT INFORMATION
                                                                                                               1998, PENDING Continuation of Ser. No. US 1998-105413, filed on 26 Jun 1998, PENDING Continuation of Ser. No. US 1998-168978, filed on 7 Oct 1998, PENDING Continuation of Ser. No. US 1998-184216, filed on 2
                                                                                                            1998. ABANDONED Continuation of Ser. No. US
1998-187368, filed on 6 Nov 1998, PENDING Continuation
of Ser. No. US 1998-202054, filed on 7 Dec 1998,
PENDING Continuation of Ser. No. US 1998-218517, filed
on 22 Dec 1998. ABANDONED Continuation of Ser. No. US
1999-254645, filed on 5 Mar 1999, PENDING Continuation
of Ser. No. US 1999-265686, filed on 10 Mar 1999,
PENDING Continuation of Ser. No. US 1999-267213, filed
on 12 Mar 1999, ABANDONED Continuation of Ser. No. US
1999-284291, filed on 12 Apr 1999, ABANDONED
Continuation of Ser. No. US 1999-31882, filed on 14
May 1999, PENDING Continuation of Ser. No. US 380137,
                     ANSWER 21 OF 66 USPATFULL
                                                                                                                                                               (Continued)
                                                                                                            WO 2000-US34956
WO 2001-US6520
WO 2001-US9552
WO 2001-US17092
                                                                                                                                                                                                  20001220
20010228
                                                                                                                                                                                                   20010322
                                                                                                                                                                                                   20010525
                                                                                                            WO 2001-US17092
WO 2001-US17800
WO 2001-US19692
WO 2001-US21066
WO 2001-US21735
WO 2001-US6520
WO 2000-US34956
WO 2000-US34678
WO 2000-US34873
WO 2000-US332873
WO 2000-US3328873
WO 2000-US33328
                                                                                                                                                                                                   20010601
                                                                                                                                                                                                  20010620
                                                                                                                                                                                                   20010629
                                                                                                                                                                                                   20010709
                                                                                                                                                                                                   20010228
                                                                                                                                                                                                  20001220
                                                                                                                                                                                                   20001201
                                                                                                                                                                                                   20001110
                                                                                                                                                                                                   20000824
                                                                                                               WO 2000-US15264
                                                                                                                                                                                                   20000602
                                                                                                               WO 2000-US7532
                                                                                                                                                                                                  20000321
20000302
20000301
20000218
                                                                                                             WO 2000-US5841
                                                                                                          WO 2000-US5841
WO 2000-US5601
WO 2000-US4341
WO 1999-US31274
WO 1999-US10733
ST 1997-62250P
US 1997-642499
US 1997-642499
US 1998-77631P
US 1998-77631P
US 1998-77641P
US 1998-77641P
US 1998-77641P
US 1998-78004P
US 1998-78004P
US 1998-78936P
US 1998-78936P
US 1998-79956P
US 1998-79956P
US 1998-79956P
US 1998-7966P
US 1998-7966P
US 1998-7966P
US 1998-7966P
US 1998-7966P
US 1998-79728P
US 1998-79920P
UT 111CY
APPLICATION
GINGGER R. DEGGER
SULTE 1150-201
                                                                                                             WO 2000-US5601
                                                                                                                                                                                                   19991230
                                                                                                                                                                                                   19990514
                                                                                                                                                                                                   19971017
                                                                                                                                                                                                   19971103
                                                                                                                                                                                                   19971113 (60)
                                                                                                                                                                                                   19971121
                                                                                                                                                                                                   19980310
                                                                                                                                                                                                   19980311 (60)
                                                                                                                                                                                                   19980311 (60)
                                                                                                                                                                                                   19980311 (60)
                                                                                                                                                                                                   19980312 (60)
                                                                                                                                                                                                   19980313 (60)
                                                                                                                                                                                                19980320 (60)
19980320 (60)
19980320 (60)
19980320 (60)
19980325 (60)
19980325 (60)
19980327 (60)
19980327 (60)
19980327 (60)
19980327 (60)
19980330 (60)
                                                                                                                                                                                                   19980320 (60)
                                                                                                                                                                                                   19980330 (60)
  DOCUMENT TYPE:
                                                                                                           Ginger R. Dreger, Esq., Knobbe Martens Olson & Bear,
Suite 1150, 201 California Street, San Francisco, CA,
94111
  LEGAL REPRESENTATIVE:
 NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
                                                                                                            237 Drawing Page(s)
NUMBER OF DRAWINGS: 237 Drawing rage(s)
LINE COUNT: 21608
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences,
```

polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for

```
L5 ANSWER 21 OF 66 USPATFULL (Continued)
PENDING Continuation of Ser. No. US 1999-380138, filed on 25 Aug 1999, ABANDONED Continuation of Ser. No. US 1999-380142, filed on 25 Aug 1999, ABANDONED Continuation of Ser. No. US 2000-709238, filed on 8
  Nov
                                                                                                                             2000, PENDING Continuation of Ser. No. US 2000-723749, filed on 27 Nov 2000, PENDING Continuation of Ser. No. US 2000-747259, filed on 20 Dec 2000, PENDING Continuation of Ser. No. US 2001-816744, filed on 22 Mar 2001, PENDING Continuation of Ser. No. US 2001-816749, filed on 22 Mar 2001, PENDING
  Continuation
                                                                                                                           of Ser. No. US 2001-854280, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-854208, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-870305, filed on 1 Jun 2001, PENDING Continuation of Ser. No. US 2001-874503, filed on 5 Jun 2001, PENDING Continuation of Ser. No. US 2001-874503, filed on 5 Jun 2001, PENDING Continuation of Ser. No. US 2001-886342, filed on 19 Jun 2001, PENDING
  Continuation
                                                                                                                              of Ser. No. US 2001-918585, filed on 30 Jul 2001, PENDING
                                                                                                                                                                NUMBER
                                                                                                                                                                                                                                           DATE
                                                                                                                           MO 1998-US21141
MO 1998-US24855
MO 1999-US5028
MO 1999-US5028
MO 1999-US5190
MO 1999-US5190
MO 1999-US10733
MO 1999-US28515
MO 1999-US28515
MO 1999-US28515
MO 1999-US28555
MO 1999-US3095
MO 1999-US31247
MO 2000-US3127
MO 2000-US3165
MO 2000-US3165
MO 2000-US5044
MO 2000-US13755
MO 2000-US1375
  PRIORITY INFORMATION:
                                                                                                                                                                                                                               19981007
19981120
19990108
19990108
19990308
19990310
19991202
19991202
19991202
19991202
19991202
19991200
20000106
20000106
20000106
20000212
20000212
20000212
20000212
                                                                                                                                                                                                                                 20000517
                                                                                                                                                                                                                                 20000522
                                                                                                                                                                                                                                 20000530
                                                                                                                                                                                                                                 20000602
                                                                                                                                                                                                                                 20000728
                                                                                                                                                                                                                               20001201
                   ANSWER 21 OF 66 USPATFULL
                                                                                                                                                                                      (Continued)
                                     producing the polypeptides of the present invention.
```

```
L5 ANSWER 22 OF 66 USPATFULL ACCESSION NUMBER: 2002:33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   L5 ANSWER 22 OF 66 USPATFULL (Continued)
US 1999-131270P 1999
US 1999-131272P 1999
US 1999-131291P 1999
                                                                                                                                                                                                                                SPATFULL
2002:337392 USPATFULL
Secreted and transmembrane polypeptides and nucleic acids encoding the same Desnoyers, Luc. San Francisco, CA, UNITED STATES Eaton, Dan L., San Rafael, CA, UNITED STATES Goddard, Audrey, San Francisco, CA, UNITED STATES Goddwaki, Paul J., Hillsborough, CA, UNITED STATES Gurney, Austin L., Belmont, CA, UNITED STATES Pan, James, Belmont, CA, UNITED STATES Pan, James, Belmont, CA, UNITED STATES Stewart, Timothy A., San Francisco, CA, UNITED STATES Watanabe, Colin X., Moraga, CA, UNITED STATES Wood, Milliam I., Hillsborough, CA, UNITED STATES Zhang, Zemin, Poster City, CA, UNITED STATES Genentech, Inc. (U.S. corporation)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       19990427 (60)
19990427 (60)
19990427 (60)
    INVENTOR(S):
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US 1999-132371P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            19990504 (60)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US 1999-132379P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            19990504
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US 1999-122379P 19990504 (60)
US 1999-132381P 19990504 (60)
US 1999-135750P 19990525 (60)
US 1999-144791P 19990720 (60)
US 1999-146790P 19990803 (60)
US 1999-162506P 19991029 (60)
Utility
APPLICATION
Ginger R. Dreger, Knobbe Martena Olson & Bear, 201
California Street, Suite 1150, San Francisco, CA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DOCUMENT TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILE SEGMENT:
LEGAL REPRESENTATIVE:
    PATENT ASSIGNEE(S):
                                                                                                                                                                                                                                NUMBER KIND DATE

US 2002192751 A1 20021219
US 2001-36041 A1 20011226 (10)
Continuation of Ser. No. US 2001-931836, filed on 16
Aug 2001, PENDING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     94111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   94111

NUMBER OF CLAIMS: 21

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINDS: 46 Drawing Page(s)

LINE COUNT: 11582

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimmeric
       PATENT INFORMATION:
       APPLICATION INFO.:
RELATED APPLN. INFO.:
                                                                                                                                                                                                                                                                                                     NUMBER
                                                                                                                                                                                                                                                                                                                                                                                                                                         DATE
                                                                                                                                                                                                                                                                                                                                                                                                                      19990514
19991202
19991222
20000301
    PRIORITY INFORMATION:
                                                                                                                                                                                                                              W0 1999-US10733
W0 1999-US30720
W0 1999-US30720
W0 2000-US501
W0 2000-US5841
W0 2000-US154042
W0 2000-US154042
W0 2000-US154042
W0 2000-US231522
W0 2000-US231522
W0 2000-US231522
W0 2000-US231522
W0 2000-US231526
W0 2001-US23126
W0 2001-US13160
W0 2001-US17800
W0 2001-US17800
W0 2001-US17800
W1 2001-US21735
W1 1998-112514P
W1 1998-113400P
W1 1998-113400P
W1 1998-113400P
W1 1999-115552P
W1 1999-115552P
W1 1999-125774P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   or
polypeptide molecules comprising the polypeptides of the present
invention fused to heterologous polypeptide sequences, antibodies wh
bind to the polypeptides of the present invention and to methods for
producing the polypeptides of the present invention.
                                                                                                                                                                                                                           SPATFULL
2002:337348 USPATFULL
Secreted and transmembrane polypeptides and nucleic acids encoding the same
Ashkenazi, Avi J. San Mateo, CA, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Forgo, Sherman, Alameda, CA, UNITED STATES
God, Mei-Olang, Palo Alto, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Goddard, J. Christopher, San Francisco, CA, UNITED
STATES
GUITNEY, Austin L., Belmont, CA, UNITED STATES
                                               ANSWER 23 OF 66 USPATFULL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 L5 ANSWER 23 OF 66 USPATFULL
  ACCESSION NUMBER:
TITLE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NSAMPULL (COMPANIAN)

NSAMPULL (COMPANIAN)

WO 2000-US$341

WO 2000-US$341

WO 2000-US$6319

WO 2000-US$6320

WO 2000-US$6320

WO 2000-US$6320

WO 2000-US$6320

WO 2000-US$6320

WO 2000-US$6320

WO 2001-US$620

WO 2001-US$620

WO 2001-US$620

WO 2001-US$620

WO 2001-US$6320

WO 2001-US$630

WO 2001-US$640

WO 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                020000218
200000218
200000302
200000302
200000310
200000310
200000310
200000310
200000310
200000310
200000517
200000522
200000522
200000522
200000522
200000522
200000022
20001020
20001020
20010220
20010220
20010620
20010620
20010620
20010620
20010620
20010620
20010620
20010620
19971113 (60)
19971113 (60)
19971113 (60)
19971113 (60)
19971113 (60)
19971113 (60)
19971113 (60)
1997113 (60)
19971113 (60)
19971113 (60)
19971113 (60)
19971113 (60)
19971113 (60)
19971113 (60)
19971113 (60)
19971113 (60)
19971113 (60)
19971113 (60)
19971113 (60)
19971113 (60)
19971113 (60)
19971113 (60)
19971113 (60)
19971113 (60)
19971113 (60)
19971113 (60)
19971113 (60)
19971113 (60)
19971113 (60)
19971113 (60)
19971113 (60)
19971113 (60)
19971113 (60)
19971113 (60)
19971113 (60)
19971113 (60)
19971113 (60)
19971113 (60)
19971113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1997113 (60)
1
INVENTOR (5) :
                                                                                                                                                                                                                         Grimaldi, J. Chriatopher, San Francisco, CA, UNITED STATES Gurney, Austin L., Belmont, CA, UNITED STATES Gurney, Austin L., Belmont, CA, UNITED STATES Kljavin, Ivar J., Lafayette, CA, UNITED STATES Kljavin, Ivar J., Lafayette, CA, UNITED STATES Kloo, Sophia S., San Francisco, CA, UNITED STATES Napier, Mary A., Hilleborough, CA, UNITED STATES Pan, James, Belmont, CA, UNITED STATES Pani, Nicholas F., Belmont, CA, UNITED STATES Paoni, Nicholas F., Belmont, CA, UNITED STATES Roy, Margaret Ann, San Francisco, CA, UNITED STATES Shelton, David L., Oakland, CA, UNITED STATES Stewart, Timothy A., San Francisco, CA, UNITED STATES Tumes, Daniel, Orinda, CA, UNITED STATES Tumes, Daniel, Orinda, CA, UNITED STATES Wood, Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES Wood, William I., Hillsborough, CA, UNITED STATES Genentech, Inc. (U.S. corporation)
PATENT ASSIGNEE(S):
                                                                                                                                                                                                                           NUMBER KIND DATE

US 2002192706 A1 20021219

US 2001-999832 A1 20011024 (9)

Continuation of Ser. No. US 1998-40220, filed on 17
PATENT INFORMATION:
APPLICATION INFO.:
RELATED APPLN. INFO.:
```

```
NUMBER
                                                                                                                                                   DATE
                                                                             NO 1998-US2141

WO 1998-US21485

WO 1999-US106

WO 1999-US5028

WO 1999-US510733

WO 1999-US10733

WO 1999-US28513

WO 1999-US28513

WO 1999-US28555

WO 1999-US31023

WO 1999-US31023

WO 1999-US31023

WO 1999-US31023

WO 2000-US277

WO 2000-US376

WO 2000-US376
                                                                                                                                              19981007
19981120
19990105
PRIORITY INFORMATION:
                                                                                                                                                19990308
                                                                                                                                                19990310
                                                                                                                                              19990514
19990602
19991130
19991202
                                                                                                                                                19991202
                                                                                                                                                19991216
                                                                                                                                                19991230
                                                                                                                                               19991230
                                                                                                                                               20000105
```

1998, GRANTED, Pat. No. US 6391311

20000106 20000106 20000211

```
<C
L5 ANSWER 23 OF 66 USPATFULL (Continued)
US 1998-81819F 199
US 1998-81952F 199
US 1998-81838F 199
US 1998-81838F 199
                                                                                                                       19980415 (60)
                                                                                                                      19980415 (60)
19980415 (60)
19980415 (60)
19980421 (60)
19980422 (60)
19980422 (60)
19980422 (60)
19980422 (60)
                                                                 US 1998-82568P
US 1998-82569P
US 1998-82704P
US 1998-82804P
US 1998-82700P
US 1998-82797P
US 1998-82796P
                                                                                                                       19980423 (60)
 DOCUMENT TYPE:
                                                                   Utility
APPLICATION
 FILE SEGMENT:
LEGAL REPRESENTATIVE:
                                                                 Ginger R. Dreger, Esq., Knobbe Martens Olson & Bear,
620 Newport Center Drive, Sixtenth Floor, Newport
Beach, CA, 92660
 NUMBER OF CLAIMS:
 EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
                                                                   237 Drawing Page(s)
LINE COUNT: 21732
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences,
 LINE COUNT
                    c
polypeptide molecules comprising the polypeptides of the present
invention fused to heterologous polypeptide sequences, antibodies which
bind to the polypeptides of the present invention and to methods for
producing the polypeptides of the present invention.
```

```
ANSWER 24 OF 66 USPATFULL
                           (Continued)
```

```
LS ANSWER 24 OF 66 USPATFULL
ACCESSION NUMBER: 2002:337276 USPATFULL
TITLE: EG-VEOF nucleic acids and polypeptides and methods of
                                                 use
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Watanabe, Colin, Moraga, CA, UNITED STATES
Wood, William I., Hillaborough, CA, UNITED STATES
Shek, Theresa, San Mateo, CA, UNITED STATES
INVENTOR (S):
                                                            NUMBER
                                                                                      KIND
                                                                                                    DATE
 PATENT INFORMATION:
```

US 2002192634 A1 20021219
US 2001-27603 A1 20011219 (10)
Continuation-in-part of Ser. No. US 2001-886242, filed on 20 Jun 2001, PENDING Continuation-in-part of Ser. No. W0 2000-US32678, filed on 1 Dec 2000, PENDING Continuation-in-part of Ser. No. W0 2000-US8439, filed on 30 Mar 2000, PENDING Continuation-in-part of Ser. No. W0 2000-US4914, filed on 24 Peb 2000, PENDING Continuation-in-part of Ser. No. W0 2000-US4914, filed on 5 Jan 2000, PENDING Continuation-in-part of Ser. No. W0 2000-US29, filed on 5 Jan 2000, PENDING Continuation-in-part of Ser. APPLICATION INFO.: RELATED APPLN. INFO.: No

WO 1999-US12252, filed on 2 Jun 1999, PENDING Continuation-in-part of Ser. No. US 2000-709238, filed on 8 Nov 2000, PENDING Continuation of Ser. No. US 380137, PENDING A 371 of International Ser. No. WO 1999-US12252, filed on 2 Jun 1999, PENDING

	NUMBER	DATE	
PRIORITY INFORMATION:	US 2000-230978P	20000907	(60)
	US 2000-213637P	20000623	(60)
	US 1999-145698P	19990726	(60)
	US 1998-96146P	19980811	(60)
	US 1998-96146P	19980811	(60)
DOCUMENT TYPE:	Utility		

FILE SEGMENT: LEGAL REPRESENTATIVE:

UCLITEY
APPLICATION
APPLICATION
KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET,
FOURTEENTH FLOOR, IRVINE, CA, 92614
61

POURTEENTH FLOOR, IRVINE, CA, 92614

NUMBER OF CLAIMS: 61

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 59 Drawing Page(8)

LINE COUNT: 4926

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides designated herein as EG-VEGF and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising

polypeptides. Also provided herein are vectors and host cells sing those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention. Also provided herein are methods of screening for modulators of Ed-VEGF. Furthermore, methods and related methods of treatment are described herein which pertain to regulating cellular proliferation and chemotaxis.

ANSWER 25 OF 66 USPATFULL

ACCESSION NUMBER: TITLE:

INVENTOR (S):

JSPATFULL

2002:314688 USPATFULL
Secreted and transmembrane polypeptides and nucleic acids encoding
Ashkenazi, Avi J., San Mateo, CA, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David A., Belmont, CA, UNITED STATES
Botstein, David A., Belmont, CA, UNITED STATES
Botstein, David A., Belmont, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Fornya, Anpoleone, San Franciaco, CA, UNITED STATES
God, Wei-Oiang, Pelo Alto, CA, UNITED STATES
God, Wei-Oiang, Pelo Alto, CA, UNITED STATES
Gerviteen, Mary E., San Mateo, CA, UNITED STATES
Gerviteen, Mary E., San Mateo, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Godweki, Paul J., Hillsborough, CA, UNITED STATES
Kljavin, Ivar J., Layfayette, CA, UNITED STATES
Napier, Mary A., Hillsborough, CA, UNITED STATES
Napier, Mary A., Hillsborough, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Naturabe, Colin K., Moraga, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Watanabe, Phickey, Half Moon Bay, CA, UNITED STATES
Watanabe, Zemin, Foster City, CA, UNITED STATES
Chang, Zemin, Foster City, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)

PATENT ASSIGNEE(S):

NUMBER KIND DATE US 2002177165 A1 20021128 US 2002-66500 A1 20020201 (10) Continuation of Ser. No. US 2001-2796, filed on 15 Nov 2001, PENDING PATENT INFORMATION: APPLICATION INFO.: RELATED APPLN. INFO.:

PRIORITY INFORMATION:

	NUMBER	DATE
WO	1998-US14552	19980714
wo	1998-US18824	19980910
WO	1998-US19093	19980914
WO	1998-US19330	19980916
WO	1998-US19437	19980917
WO	1998-US24855	19981120
WO	1998-US25108	19981201
WO	1998-US25190	19981125
WO	1999-US5028	19990308
WO	1999-U512252	19990602
WO	1999-US20111	19990901
WO	1999-U520594	19990908
WO	1999-U521090	19990915
WO	1999-US21547	19990915
WQ	1999-US28301	19991201
WO	1999-US28313	19991130
WO	1999-US28565	19991202
WO	1999-US30999	19991220
WO	2000-US219	20000105
WO	2000-US4341	20000218
WO	2000-US4342	20000218

IN

PA'

Nov

Continuation

No.

PATENT INFORMATION: APPLICATION INFO RELATED APPLN. INFO.:

L5

```
ANSWER 25 OF 66 USPATFULL (Continued)

WO 2000-US4414 2000

WO 2000-US45611 2000

WO 2000-US5611 2000

WO 2000-US5611 2000

WO 2000-US6471 2000

WO 2000-US6471 2000

WO 2000-US13737 2000

WO 2000-US13755 2000

WO 2000-US13755 2000

WO 2000-US13755 2000

WO 2000-US13644 2000

WO 2000-US14941 2000

WO 2000-US12522 2000

WO 2000-US23522 2000

WO 2000-US23522 2000

WO 2000-US23522 2000

WO 2000-US23525 2000

WO 2001-US23665 2001

WO 2001-US17643 2001

WO 2001-US176650 2001

WO 2001-US21765 2000

WO 2001-U
                                                                                                                                                                                                                                                                                                                                                                      20000222
                                                                                                                                                                                                                                                                                                                                                                        20000330
                                                                                                                                                                                                                                                                                                                                                                        20000515
20000517
                                                                                                                                                                                                                                                                                                                                                                        20000522
                                                                                                                                                                                                                                                                                                                                                                        20000530
                                                                                                                                                                                                                                                                                                                                                                        20000602
                                                                                                                                                                                                                                                                                                                                                                           20000811
                                                                                                                                                                                                                                                                                                                                                                        20000824
                                                                                                                                                                                                                                                                                                                                                                        20000823
                                                                                                                                                                                                                                                                                                                                                                        20001201
                                                                                                                                                                                                                                                                                                                                                                           20010228
                                                                                                                                                                                                                                                                                                                                                                        20010530
                                                                                                                                                                                                                                                                                                                                                                        20010601
                                                                                                                                                                                                                                                                                                                                                                        20010620
                                                                                                                                                                                                                                                                                                                                                                        20010629
                                                                                                                                                                                                                                                                                                                                                                        20010709
                                                                                                                                                                                                                                                                                                                                                                    19970826 (60)
19970917 (60)
19970918 (60)
199710919 (60)
19971017 (60)
19971024 (60)
19971027 (60)
19971027 (60)
19971029 (60)
19971125 (60)
19971216 (60)
19971216 (60)
19980209 (60)
19980209 (60)
19980209 (60)
                                                                                                                                                                                                                                                                                                                                                                           19970826
19970917
                                                                                                                                                                                                                                                                                                                                                                    19980209 (60)
19980325 (60)
19980408 (60)
19980810 (60)
19980818 (60)
19980909 (60)
19980910 (60)
19980910 (60)
19980910 (60)
19980917 (60)
                                                                                                                                                                                                                                                                                                                                                                    19980818 (60)
19980919 (60)
19980910 (60)
19980910 (60)
19980917 (60)
19980924 (60)
                                                                                                                                                                                                                                                                                                                                                                        19981028
                                                                                                                                                                                                                                                                                                                                                                    19981028 (60)
19981120 (60)
19990323 (60)
19990615 (60)
19990720 (60)
19990726 (60)
19990817 (60)
19991207 (60)
DOCUMENT TYPE:
                                                                                                                                                                                                        Utility
APPLICATION
  FILE SEGMENT:
LEGAL REPRESENTATIVE:
                                                                                                                                                                                                      Ginger R. Dreger, Knobbe Martens Olson & Bear, Suite
```

USPATFULL 2002:307559 USPATFULL EG-VEGF nucleic acids and polypeptides and methods of use
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Watanabe, Colin, Moraga, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES KIND DATE A1 20021121 A1 20010620 (9) US 2002172678 US 2001-886242 PATENT INFORMATION: APPLICATION INFO.: NUMBER DATE

US 2000-230978P 20000907 (60)
US 2000-211637P 200000623 (60)
Utility
APPLICATION
KNOBBE MARTENS OLSON & BEAR LLP, 620 NEWPORT CENTER
DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA. 92660
103
1 PRIORITY INFORMATION: DOCUMENT TYPE: FILE SEGMENT: LEGAL REPRESENTATIVE: DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660

NUMBER OF CLAIMS: 103

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 50 Drawing Page(a)

LINE COUNT: 4912

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides designated herein as EG-VEGF and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising

polypeptides. Also provided herein are vectors and host cells sing those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention. Also provided herein are methods of screening for modulators of EG-VEGF. Furthermore, methods and related methods of treatment are described herein which pertain to regulating cellular proliferation and chemotaxis.

LS ANSMER 25 OF 66 USPATFULL (Continued)
1150, 201 California Street, San Franciaco, CA, 94111
NUMBER OF CLAIMS: 39 NUMBER OF CLAIMS: EXEMPLARY CLAIM: NUMBER OF DRAWINGS: 1 75 Drawing Page(s)

NUMBER OF DRAWINGS: /5 Drawing raye(s)
LINE COUNT: 12214
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences,

ic
polypeptide molecules comprising the polypeptides of the present
invention fused to heterologous polypeptide sequences, antibodies which
bind to the polypeptides of the present invention and to methods for
producing the polypeptides of the present invention.

5 ANSWER 27 OF 66 U CCESSION NUMBER: ITLE:	SPATFULL 2002:301735 USPATFULL Secreted and transmembrane polypeptides and nucleic
VENTOR(S):	acids encoding the same Ashkenazi, Avi, San Mateo, CA, UNITED STATES Baker, Kevin P., Darnestown, MD, UNITED STATES Botstein, David, Belmont, CA, UNITED STATES Desnoyers, Luc, San Francisco, CA, UNITED STATES Eaton, Dan, San Rafael, CA, UNITED STATES Ferrara, Napoleone, San Francisco, CA, UNITED STATES Filvazoff, Ellen, San Francisco, CA, UNITED STATES Filvazoff, Ellen, San Francisco, CA, UNITED STATES
	Fong, Sherman, Alameda, CA, UNITED STATES Gao, Wei-Qiang, Foster City, CA, UNITED STATES Gerber, Hanspeter, San Francisco, CA, UNITED STATES Gerritsen, Mary E., San Mateo, CA, UNITED STATES Goddard, Audrey, San Francisco, CA, UNITED STATES Godowski, Paul J., Burlingame, CA, UNITED STATES Grimaldi, J. Christerpher, San Francisco, CA, UNITED STATES
	Gurney, Austin L., Belmont, CA, UNITED STATES Hillan, Kenneth J., San Francisco, CA, UNITED STATES Kljavin, Ivar J., Lafayette, CA, UNITED STATES Kuo, Sophia S., San Francisco, CA, UNITED STATES Napier, Mary A., Hillsborough, CA, UNITED STATES Pan, James, Belmont, CA, UNITED STATES Pani, Nicholas F., Belmont, CA, UNITED STATES Roy, Margaret Ann, San Francisco, CA, UNITED STATES Shelton, David L., Oakland, CA, UNITED STATES Stewart, Timothy A., San Francisco, CA, UNITED STATES
ATENT ASSIGNEE(S):	Tumas, Daniel, Orinda, CA, UNITED STATES Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES Wood, William I., Hillsborough, CA, UNITED STATES Genentech, Inc. (U.S. corporation)
	NUMBER KIND DATE
ATENT INFORMATION: PPLICATION INFO.: CLATED APPLN, INFO.:	US 2002169284 Al 20021114 US 2001-978697 Al 20011016 (9) Continuation of Ser. No. US 1998-40220, filed on 17

1998, PENDING Continuation of Ser. No. US 1998-105413, filed on 26 Jun 1998, PENDING Continuation of Ser. No. US 1998-168978, filed on 7 Oct 1998, PENDING Continuation of Ser. No. US 1998-184216, filed on 2

1998, ABANDONED Continuation of Ser. No. US
1998-187368, filed on 6 Nov 1998, PENDING Continuation
of Ser. No. US 1998-202054, filed on 7 Dec 1998,
PENDING Continuation of Ser. No. US 1998-218517, filed
on 22 Dec 1998, ABANDONED Continuation of Ser. No. US
1999-254655, filed on 5 Mar 1999, PENDING Continuation
of Ser. No. US 1999-265686, filed on 10 Mar 1999,
PENDING Continuation of Ser. No. US 1981-267213, filed
on 26 May 1981, GRANTED, Pat. No. US 4435652
Continuation of Ser. No. US 1999-284291, filed on 12
Apr 1999, ABANDONED Continuation of Ser. No. US
1999-311832, filed on 14 May 1999, PENDING

of Ser. No. US 380137, PENDING Continuation of Ser.

US 1999-380138, filed on 25 Aug 1999, ABANDONED

L5 ANSWER 27 OF 66 USPATFULL (CONT. WO 2001-US9552 WO 2001-US17092 WO 2001-US17800

L5

ANSWER 27 OF 66 USPATFULL

```
SPATFULL (Continued)
Continuation of Ser. No. US 1999-380142, filed on 25
Aug 1999, ABANDONED Continuation of Ser. No. US
2000-709218, filed on 8 Nov 2000, PENDING Continuation
of Ser. No. US 2000-723749, filed on 27 Nov 2000,
PENDING Continuation of Ser. No. US 2000-747259, filed
on 20 Dec 2000, PENDING Continuation of Ser. No. US
2001-816744, filed on 22 Mar 2001, PENDING
 Continuation
                                                                                                                                              of Ser. No. US 2001-816920, filed on 22 Mar 2001,
PENDING Continuation of Ser. No. US 2001-854280, filed
on 10 May 2001, PENDING Continuation of Ser. No. US
2001-854208, filed on 10 May 2001, PENDING
 Continuation
                                                                                                                                               of Ser. No. US 2001-872035, filed on 1 Jun 2001, PENDING Continuation of Ser. No. US 2001-874503, filed on 5 Jun 2001, PENDING Continuation of Ser. No. US 2001-882636, filed on 14 Jun 2001, PENDING
 Continuation
                                                                                                                                               of Ser. No. US 2001-886342, filed on 19 Jun 2001, PENDING Continuation of Ser. No. US 2001-918585, filed on 30 Jul 2001, PENDING
                                                                                                                                                                                      NUMBER
                                                                                                                                                                                                                                                                        DATE
                                                                                                                                                                                                                                                               19981007
19981120
19990105
19990308
PRIORITY INFORMATION:
                                                                                                                                         W0 1998-US21141
W0 1998-US21161
W0 1999-US5106
W0 1999-US5106
W0 1999-US5107
W0 1999-US5107
W0 1999-US528311
W0 1999-US28311
W0 1999-US28311
W0 1999-US28316
W0 1999-US310243
W0 1999-US310243
W0 2000-US3102
W0 2000-US316
W0 2000-US316
W0 2000-US519
W0 2000-US519
W0 2000-US519
W0 2000-US519
W0 2000-US519
W0 2000-US514041
W0 2000-US5004
W0 2000-US5004
W0 2000-US5104
W0 2000-US5106
                                                                                                                                                                                                                                                            1990602
1999130
19991202
19991202
19991203
19991230
20000106
20000112
20000128
20000106
20000112
20000128
20000128
20000120
20000120
20000120
20000120
20000120
20000120
```

(Continued)

L5 ANSWER 28 OF 66 USPATFULL
ACCESSION NUMBER: 2002:301734 USPATFULL
TITLE: Clasp-7 transmembrane protein
Lu, Peter S., Mountain View, CA, UNITED STATES
Garman, Jonathan David, San Jose, CA, UNITED STATES
Candia, Albert F., III, Menlo Park, CA, UNITED STATES

	NUMBER	KIND DATE	
PATENT INFORMATION:	UC 20031 C0203		
			>
APPLICATION INFO.:	US 2000-736968	A1 20001213	(9)
	NUMBER	DATE	
PRIORITY INFORMATION:	UC 2000 2405000	(60)	
PRIORITI INFORMATION:	US 2000-240508P		
	US 2000-240503P		
	US 2000-240539P		
	US 2000-240543P		
	US 2000-196267P		
	US 2000-196527P	20000411 (60)	
	US 2000-196528P		
	US 2000-196460P	20000411 (60)	
	US 2000-182296P	20000214 (60)	
	US 2000-176195P		
	US 1999-170453P	19991213 (60)	
	US 1999-162498P	19991029 (60)	
	US 1999-160860P		
DOCUMENT TYPE:			
FILE SEGMENT:			
LEGAL REPRESENTATIVE:	TOWNSEND AND TOWNS	END AND CREW. L	I.P. TWO EMBARCADERO
	CENTER, EIGHTH FLO	OR SAN FRANCIS	CO CA 94111-3834
NUMBER OF CLAIMS:	37	,	00, 01, 71111 3034
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:			
LINE COUNT:	4837		
CAS INDEXING IS AVAILABLE FOR THIS PATENT. AB The present invention relates to a cell surface molecule, designated			
Caunerin-like as	ymmetry protein-7 ("CLASP-/"). In	particular, it

to CLASP-7 polynucleotides, polypeptides, fusion proteins, and antibodies. The invention also relates to methods of modulating an immune response by interfering with CLASP-7 function.

```
WO 2001-US21066
                                                                                                                         20010629
  DOCUMENT TYPE:
FILE SEGMENT:
LEGAL REPRESENTATIVE:
NUMBER OF CLAIMS: 94111

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 27 Drawing Page(8)

LINE COUNT: 21798

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimmeric
                   propertide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.
```

(Continued)

WO 2001-US19692

20010322 20010525 20010601

20010620

SPATFULL
2002:272488 USPATFULL
Implantable biocompatible immunoisolatory vehicle for
delivery of selected therapeutic products
Dionne, Keith E., Rehoboth, MA, UNITED STATES
Emerich, Dwaine F., Providence, RI, UNITED STATES
Hoffman, Diane, Cambridge, MA, UNITED STATES
Sanberg, Paul R., Spring Hill, FL, UNITED STATES
Christenson, Lise, New Haven, CT, UNITED STATES
Hegre, Orion D., Green Valley, AZ, UNITED STATES
Scharp, David W., St. Louie, MO, UNITED STATES
Lacy, Paul E., Webster Grove, MO, UNITED STATES
Aebischer, Patrick, Lutry, SWITZERLAND
Vasconcellos, Alfred V., Ctanston, RI, UNITED STATES
Lysaght, Michael J., E. Greenwich, RI, UNITED STATES
Gentile, Frank T., Warwich, RI, UNITED STATES ANSWER 29 OF 66 USPATFULL ACCESSION NUMBER: TITLE: INVENTOR(S):

NUMBER KIND DATE

US 2002150603 A1 20021017

US 2001-7344 A1 20011025 (10)

Continuation of Ser. No. US 2000-563248, filed on 2 PATENT INFORMATION: APPLICATION INFO.: RELATED APPLN. INFO.: 2000, GRANTED, Pat. No. US 6322804 Division of Ser.

US 1998-148671, filed on 4 Sep 1998, GRANTED, Pat. No. US 6083523 Division of Ser. No. US 1995-449837, filed on 24 May 1995, GRANTED, Pat. No. US 5874099 Division of Ser. No. US 1994-179151, filed on 10 Jan 1994, GRANTED, Pat. No. US 5800828 Continuation-in-part of Ser. No. WO 1992-US337, filed on 22 Apr 1992, UNIXNOWN Continuation-in-part of Ser. No. US 1991-692403, filed on 25 Apr 1991, ABANDONED Utility APPLICATION MINTZ LEVIN, One Financial Center, Boston, MA, 02111

DOCUMENT TYPE:
FILE SEGMENT:
LEGAL REPRESENTATIVE:
NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
LINE COUNT:

EXEMPLARY CLAIM:

1 EXEMPLARY CLAIM:

1 NUMBER OF DRAWINGS:

3 Drawing Page(a)

LINE COUNT:

1 AN immunoisolatory vehicle for the implantation into an individual of cells which produce a needed product or provide a needed metabolic function. The vehicle is comprised of a core region containing isolated cells and materials sufficient to maintain the cells, and a permeelective, biocompatible, peripheral region free of the isolated cells, which immunoisolates the core yet provides for the delivery of the secreted product or metabolic function to the individual. The vehicle is particularly well-suited to delivery of insulin from immunoisolated islets of Langerhams, and can also be used advantageously for delivery of high molecular weight products, such as products larger than 1gG. A method of making a biocompatible, immunoisolatory implantable vehicle, consisting in a first embodiment of

a coextrusion process, and in a second embodiment of a stepwise

A method for isolating cells within a biocompatible, immunoisolatory implantable vehicle, which protects the isolated cells from attack by the immune system of an individual in whom the vehicle is implanted. A method of providing a needed biological product or metabolic function

to

L5 ANSWER 30 OF 66 USPATFULL ACCESSION NUMBER: 2002:191204 USPATFULL

```
ANSWER 29 OF 66 USPATFULL (Continued)
an individual, comprising implanting into the individual an immunoisolatory vehicle containing isolated cells which produce the product or provide the metabolic function.
L5
```

```
2002:191204 OSPARICUDE
CLASP-5 transmembrane protein
Lu, Peter S., Mountain View, CA, UNITED STATES
Garman, Jonathan D., San Jose, CA, UNITED STATES
Candia, Albert F., III, Menlo Park, CA, UNITED STATES
  TITLE:
INVENTOR(S):
                                                                                                                NUMBER
                                                                                                                                                                KIND DATE
                                                                                                                                           . . . . . . .
                                                                                            US 2002102267 A1 20020801
US 2000-736960 A1 20001213 (9)
 PATENT INFORMATION:
 APPLICATION INFO.
                                                                                        NUMBER DATE

US 2000-240508P 20001013 (60)
US 2000-240539P 20001013 (60)
US 2000-240539P 20001013 (60)
US 2000-140539P 20001013 (60)
US 2000-196267P 20001011 (60)
US 2000-196527P 20000411 (60)
US 2000-196528P 20000411 (60)
US 2000-196528P 20000411 (60)
US 2000-18299P 20000214 (60)
US 2000-18299P 20000214 (60)
US 2000-18299P 20000214 (60)
US 1999-170453P 19991213 (60)
US 1999-162498P 19991021 (60)
US 1999-162499P 19991021 (60)
US 1999-162499P 19991021 (60)
US 1999-163499P 19991021 (60)
                                                                                                                       NUMBER
                                                                                                                                                                          DATE
 PRIORITY INFORMATION:
 DOCUMENT TYPE:
FILE SEGMENT:
LEGAL REPRESENTATIVE:
CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, YALLI-JOURNBER OF CLAIMS: 37
EXEMPLARY CLAIM: 1
NUMBER OF DEANWINGS: 61 Drawing Page(s)
LINE COUNT: 4844
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to a cell surface molecule, designated cadherin-like asymmetry protein-5 (*CLASP-5*). In particular, it relates
relates

to CLASP-5 polynucleotides, polypeptides, fusion proteins, and
antibodies. The invention also relates to methods of modulating an
immune response by interfering with CLASP-5 function.
```

L5 ANSWER 31 OF 66 USPATFULL ACCESSION NUMBER: 2002:17 2002:171651 USPATFULL Cytoprotective biocompatible containment systems for biologically active materials and methods of making same
Soon-Shiong, Patrick, Malibu, CA, UNITED STATES
Desai, Neil, Los Angeles, CA, UNITED STATES
Ron, Nilesh, Culver City, CA, UNITED STATES
Sojomihardjo, Andrew S., West Covins, CA, UNITED INVENTOR (S): STATES Heintz, Roswitha, Los Angeles, CA, UNITED STATES Curcio, Francesco, Westlake Village, CA, UNITED STATES VivoRx, Inc. (U.S. corporation) PATENT ASSIGNEE(S): NUMBER KIND DATE

US 2002090399 A1 20020711
US 2001-29582 A1 20011220 (10)
Division of Ser. No. US 1999-264187, filed on 9 Mar
1999, PENDING
Utiliry. PATENT INFORMATION: APPLICATION INFO.: RELATED APPLN. INFO.: DOCUMENT TYPE: Utility APPLICATION FILE SEGMENT: LEGAL REPRESENTATIVE: Stephen E. Reiter, Foley & Lardner, P.O. Box 80278. Diego, CA, 92138-0278 NUMBER OF CLAIMS: EXEMPLARY CLAIM: EXEMPLARY CLAIM: 1
LINE COUNT: 1732
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB In accordance with the invention, there are provided methods, capsules, and delivery systems useful in preparing biological containment systems with properties (e.g., mechanical strength, capsule permeability and porosity, desired controlled release rates of the biologic or ents secreted by the biologic, and immunoreactivity) that can be varied to adapt to a broader range of physiological conditions than known biological containment systems. There are also provided methods of making capsules containing cell aggregates therein, as well as the capsules formed thereby, which are useful as a quantitatively plentiful and low cost alternative to usage of freshly harvested cell aggregates (e.g., islets from pancreas), since the latter are usually available only in limited numbers.

L5 ANSWER 32 OF 66 1	JSPATFULL		
ACCESSION NUMBER: 2002:164764 USPATFULL			
TITLE:	Clasp-3 transmem	brane protein	
INVENTOR(S):	Lu, Peter S., Mor	brane protein untain View, CA, UNITED STATES	
	Garman, Jonathan	D., San Jose, CA, UNITED STATE	ES
		., III, Menlo Park, CA, UNITED	
		.,,,,,	0111110
		KIND DATE	
PATENT INFORMATION:	US 2002086382		
APPLICATION INFO.:	US 2000-737246	A1 20001213 (9)	
	NUMBER	DATE	
PRIORITY INFORMATION:	US 2000-240508P		
	IIS 2000-2405391	20001013 (60)	
	US 2000-240503P US 2000-240539P US 2000-240543P	20001013 (60)	
	US 2000-196267P		
	US 2000-196527P	20000411 (60)	
	US 2000-196528P	20000411 (60)	
	US 2000-196528P US 2000-196460P	20000411 (60)	
	US 2000-182296P	20000214 (60)	
	US 2000-176195P		
	US 1999-170453P	19991213 (60)	
	US 1999-170453P US 1999-162498P	19991029 (60)	
	US 1999-160860P	19991021 (60)	
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	TOWNSEND AND TOW	NSEND AND CREW, LLP, TWO EMBARO	CADERO
		LOOR, SAN FRANCISCO, CA. 94111	
NUMBER OF CLAIMS:		,	
EXEMPLARY CLAIM:	1		
EXEMPLARY CLAIM: NUMBER OF DRAWINGS: LINE COUNT:	54 Drawing Page (s)	
LINE COUNT:	5126		
CAS INDEXING IS AVAILAR	LE FOR THIS PATENT	۲.	
AB The present inve	ntion relates to	cell surface molecule, design	ated
		("CLASP-3"). In particular, it	
relates	,, ,		
to CLASP-3 polyr	ucleotides, polype	eptides, fusion proteins, and	
		lates to methods of modulating	an
		h CLASP-3 function.	
•			

ANSWER 32 OF 66 USPATFULL

PATENT INFORMATION: APPLICATION INFO.:

PRIORITY INFORMATION: DOCUMENT TYPE:

FILE SEGMENT: LEGAL REPRESENTATIVE:

NUMBER OF CLAIMS: EXEMPLARY CLAIM: NUMBER OF DRAWINGS:

```
L5 ANSWER 35 OF 66 USPATFULL ACCESSION NUMBER: 2002:16
                                                                 SPATFULL
2002:16657 USPATFULL
Superoxide dismutase or superoxide dismutase mimic coating for an intracorporeal medical device Michal, Eugene T., San Francisco, CA, UNITED STATES Buchko, Christopher J., Redwood City, CA, UNITED
  TITLE:
  INVENTOR (S):
  STATES
                                                                  Kilpatrick, Deborah L., Mountain View, CA. UNITED
                                                                  Bigus, Stephen J., San Jose, CA, UNITED STATES Advanced Cardiovascular Systems, Inc. (non-U.S.
  PATENT ASSIGNEE (S) :
                                                                   corporation)
                                                                                NUMBER
                                                                                                                  KIND
                                                                                                                                      DATE
  PATENT INFORMATION:
APPLICATION INFO.:
RELATED APPLN. INFO.:
                                                                 US 2002009515 A1 20020124

US 2001-827977 A1 20010406 (9)

Continuation-in-part of Ser. No. US 1999-240914, filed

on 29 Jan 1999, GRANTED, Pat. No. US 6287285

Continuation-in-part of Ser. No. US 1998-16694, filed

on 30 Jan 1998, GRANTED, Pat. No. US 6221425
  DOCUMENT TYPE:
                                                                  Utility
APPLICATION
  FILE SEGMENT:
LEGAL REPRESENTATIVE:
                                                                  Priscilla Mark, Heller Ehrman White & McAuliffe LLP, 275 Middlefield Road, Menlo Park, CA, 94025-3506
  NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
                                                                  4 Drawing Page(s)
NUMBER OF DRAWINGS: 4 Drawing Page(s)
LINE COUNT: 1518
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A method of providing a therapeutic, diagnostic or lubricious hydrophilic coating on an intracorporeal medical device and the coated device produced thereby, wherein the coating is durable. In one embodiment, the coating comprises a polymerized base coat and a top
                   having a therapeutic, diagnostic or hydrophilic agent, where the base coat has a binding component which binds to the top coat, and \alpha
 grafting
                   ng component which binds to the binding component and adheres to the device. In another embodiment, the coating comprises a blend of an agent, a grafting component, and salt. In one embodiment, the therapeutic agent is superoxide dismutase or a superoxide dismutase mimic. The coating of the invention may be applied to a medical deviwith a polymeric surface such as a polymeric catheter, or a metal
 device
                    such as a stent coated with a polymeric primer or without a primer
```

L5 ANSWER 33 OF 66 USPATFULL
ACCESSION NUMBER:
TITLE:
LINVENTOR(S):
LU, Peter S., Mountain View, CA, UNITED STATES
Garman, Jonathan D., San Jose, CA, UNITED STATES
Candia, Albert F., III, Menlo Park, CA, UNITED STATES

NUMBER

US 2002068302

US 2001-736969

US 2000-240508P

47 Drawing Page(s)

LINE COUNT: 5116
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to a cell surface molecule, designated cadherin-like asymmetry protein-4 ("CLASP-4"). In particular, it

s

to CLASP-4 polynucleotides, polypeptides, fusion proteins, and
antibodies. The invention also relates to methods of modulating an
immune response by interfering with CLASP-4 function.

NUMBER

KIND DATE

20001013 (60)

UTILITY APPLICATION
TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO
CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834

DATE

A1 20020606 A1 20010507 (9)

```
L5 ANSWER 34 OF 66 USPATFULL

ACCESSION NUMBER: 2002:112583 USPATFULL

ITITLE: Gels for encapsulation of biological materials

Hubbell, Jeffrey A., Concord, MA, UNITED STATES

PATENT ASSIGNEE(S): PATENT ASSIGNEE(S): Hossiny, Syed F. A., Austin, TX, UNITED STATES

PATENT ASSIGNEE(S): THE BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM
                                                                                    (U.S. corporation)
                                                                                                  NUMBER
                                                                                                                                             KIND
                                                                                                                                                                        DATE
                                                                                 US 2002058318 Al 20020516
US 2001-811901 Al 20010319 (9)
Continuation of Ser. No. US 1997-783387, filed on 13
Jan 1997, GRANTED, Pat. No. US 6258870 Division of
  PATENT INFORMATION:
  APPLICATION INFO.:
RELATED APPLN. INFO.:
                                                                                  No. US 1995-484160, filed on 7 Jun 1995, ABANDONED
Division of Ser. No. US 1992-958870, filed on 7 Oct
1992, GRANTED, Pat. No. US 5529914
 Continuation-in-part
                                                                                of Ser. No. US 1992-870540, filed on 20 Apr 1992,
ABANDONED Continuation-in-part of Ser. No. US
1992-843485, filed on 28 Feb 1992. ABANDONED
Utility
APPLICATION
LYON 6 LYON LLP, 633 WEST FIFTH STREET, SUITE 4700,
 DOCUMENT TYPE:
FILE SEGMENT:
LEGAL REPRESENTATIVE:
LOS
                                                                                  ANGELES, CA, 90071
 NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
LINE COUNT:
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 13 Drawing Page(s)
LINE COUNT: 2285
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides novel methods for the formation of biocompatible membranes around biological materials using photopolymerization of water
                        soluble molecules. The membranes can be used as a covering to encapsulate biological materials or biomedical devices, as a "glue" to cause more than one biological substance to adhere together, or as carriers for biologically active species.
                         Several methods for forming these membranes are provided. Each of these methods utilizes a polymerization system containing water-soluble macromers, species which are at once polymers and macromolecules
                       of further polymerization. The macromers are polymerized using a photoinitiator (such as a dye), optionally a cocatalyst, optionally an accelerator, and radiation in the form of visible or long wavelength UV light. The reaction occurs either by suspension polymerization or by interfacial polymerization. The polymer membrane can be formed directly on the surface of the biological material, or it can be formed on material which is already encapsulated.
               ANSWER 36 OF 66
                                                                         USPATEULL
ACCESSION NUMBER
                                                                                2002:332479 USPATFULL
Cytoprotective biocompatible containment systems f
biologically active materials and methods of makin
                                                                                INVENTOR(S):
States
                                                                                Heintz, Roswitha, Los Angeles, CA, United States
Curcio, Francesco, Westlake Village, CA, United States
VivoRx, Inc., Santa Monica, CA, United States (U.S.
corporation)
PATENT ASSIGNEE(S):
                                                                                                                                            KIND
                                                                                                 NUMBER
                                                                                                                                                                     DATE
                                                                              US 6495161 B1 20021217
US 1999-264187 19990309 (
Utility
GRANTED
Jones, Dameron L.
Reiter, Stephen E., Foley & Lardner
26
                                                                                                                                                                20021217
19990309 (9)
 PATENT INFORMATION
 APPLICATION INFO.
DOCUMENT TYPE:
FILE SEGMENT:
PRIMARY EXAMINER:
LEGAL REPRESENTATIVE:
NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
LINE COUNT:
          MPLARY CLAIM: 1
BER OF DRAWINGS: 0 Drawing Figure(a); 0 Drawing Page(a)
E COUNT: 1507
INDEXING IS AVAILABLE FOR THIS PATENT.
In accordance with the invention, there are provided methods, capsules, and delivery systems useful in preparing biological containment systems with properties (e.g., mechanical strength, capsule permeability and porosity, desired controlled release rates of the biologic or ponents
                     ents secreted by the biologic, and immunoreactivity) that can be varied to secreted by the biologic, and immunoreactivity) that can be varied to adapt to a broader range of physiological conditions than known biological containment systems. There are also provided methods of making capsules containing cell aggregates therein, as well as the capsules formed thereby, which are useful as a quantitatively plentiful and low cost alternative to usage of freshly harvested cell aggregates (e.g., islets from pancreas), since the latter are usually available only in limited numbers.
```

```
ANSWER 37 OF 66 USPATFULL
ACCESSION NUMBER:
```

INVENTOR (S) :

SPATFULL
2002:268428 USPATFULL
Treating medical conditions by polymerizing macromers
to form polymeric materials
Hubbell, Jeffrey A., Zumikon, SWITZERLAND
Pathak, Chandrashekhar P., Austin, TX, United States
Sawhney, Amarpreet, Bedford, MA, United States
Desai, Neil, Los Angeles, CA, United States
Hossainy, Syed, Edison, NJ, United States
Hossainy, Syed, Edison, NJ, United States
Board of Regents, The University of Texas Systems,
Austin, TX, United States (U.S. corporation)

PATENT ASSIGNEE(S):

NUMBER KIND DATE PATENT INFORMATION:

US 6465001 B1 20021015
US 1998-33871 19980303 (9)
Continuation of Ser. No. US 1995-467693, filed on 6 APPLICATION INFO.: RELATED APPLN. INFO.:

5837747

1995, now patented, Pat. No. US 5834274 Division of Ser. No. US 1993-24657, filed on 1 Mar 1993, now patented, Pat. No. US 5573934 Continuation-in-part of Ser. No. US 1992-958870, filed on 7 Oct 1992, now patented, Pat. No. US 5529914 Continuation-in-part of Ser. No. US 1992-870540, filed on 20 Apr 1992, now abandoned Continuation-in-part of Ser. No. US 1995-475175, filed on 7 Jun 1995, now patented, Pat. No. US 5846530 Division of Ser. No. US 1994-232054, filed on 28 Apr 1994, now patented, Pat. No. US

DOCUMENT TYPE: FILE SEGMENT PRIMARY EXAMINER LEGAL REPRESENTATIVE: NUMBER OF CLAIMS: EXEMPLARY CLAIM: NUMBER OF DRAWINGS:

Utility GRANTED Naff, David M. Holland & Knight LLP 17

1 1 11 Drawing Figure(s); 7 Drawing Page(s)

NOMBER OF DEAMINS: 11 Drawing rigure(8); / Drawing rage(8)
LINE COUNT: 2121
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Water soluble macromers are modified by addition of free radical polymerizable groups, such as those containing a carbon-carbon double

triple bond, which can be polymerized under mild conditions to encapsulate tissues, cells, or biologically active materials. The polymeric materials are particularly useful as tissue adhesives, coatings for tissue lumens including blood vessels, coatings for cells such as islets of Langerhans, and coatings, plugs, supports or substrates for contact with biological materials such as the body, and as drug delivery devices for biologically active molecules. A medical condition at a localized site is treated by applying a polymerization initiator and then applying a substantially water-soluble, degradable macromer of at least 200 mw and having at least two crosslinkable substituents, and polymerizing the macromer to form a crosslinkable substituents, and polymerizing the macromer to rorm a crosslinkable oplymeric material at the site. The crosslinked polymeric material at the site. The stress of the site to another surface such as post-surgical adhesion. A

LS ANSWER 38 OF 66 USPATFULL ACCESSION NUMBER: 2000 TITLE:

SPATFULL 2002:75013 USPATFULL Method of delivering oxygen to cells by electrolyzing

INVENTOR(S):

water
Colton, Clark K., Newton, MA, United States
Swette, Larry L., Newton, MA, United States
Massachusetts Institute of Technology, Cambridge, MA, PATENT ASSIGNEE(S):

United States (U.S. corporation)

NUMBER K1ND DATE PATENT INFORMATION: APPLICATION INFO.: US 6368592 US 1999-356079 B1 20020409 19990716 (9)

NUMBER

DATE

PRIORITY INFORMATION: US 1998-93147P 19980717 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Naff, David M.

LEGAL REPRESENTATIVE: Tests, Hurwitz & Thibeault, LLP
NUMBER OF CLAIMS: 15

EXEMPLARY CLAIM: 1
1 Drawing Figure(8); 11 Drawing Page(8)
LINE COUNT: 1271

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Oxygen is supplied to cells in vitro or in vivo by generating oxygen with an oxygen generator that electrolyzes water to oxygen and hydrogen.

with an oxygen generator that electrolyzee water to oxygen and en.

Oxygen can be generated substantially without generating free hydrogen using a multilayer electrolyzer sheet having a proton exchange membrane sandwiched by an anode layer and a cathode layer. The oxygen generator may be used to supply oxygen to cells contained by a culture plate, a culture flask, a microtiter plate or an extracorporeal circuit, or to cells in an encapsulating chamber for implanting in the body such as ar immuncisolation chamber bounded by a semipermeable barrier layer that allows selected components to enter and leave the chamber. A bioactive molecule may be present with the cells. Oxygen can be delivered in situ to cells within the body such as by implanting the oxygen generator in proximity to cell-containing microcapsules in an intraperitoneal space, or by implanting a system containing the oxygen generator in proximity to an immunoisolation chamber containing cells.

L5 ANSWER 37 OF 66 USPATFULL

NSMER 37 OF 66 USPATFULL (Continued) biologically active material may be present when the macromer is polymerized to provide for delivery of the biologically active

or to provide the polymeric material with a desired property such as resistance to bacterial growth or a decrease in inflammatory response.

ANSWER 39 OF 66 USPATFULL

ACCESSION NUMBER

SPATFULL
2002:57392 USPATFULL
ICAM-1 derivatives with altered ability to bind LFA-1
Springer, Timothy A., Newton, MA, United States
Dustin, Michael L., University City, MO, United States
Rothlein, Robert, Danbury, CT, United States
Marlin, Steven D., Danbury, CT, United States
Dana Farber Cancer Institute, Boston, MA, United INVENTOR(S):

PATENT ASSIGNEE(S):

(U.S. corporation)

PATENT INFORMATION: APPLICATION INFO.: RELATED APPLN. INFO.:

(U.S. corporation)

NUMBER KIND DATE

US 6358510 B1 20020319
US 1995-479763 19950607 (8)
Division of Ser. No. US 1994-186456, filed on 25 Jan 1994, now patented, Pat. No. US 5612216 Division of Ser. No. US 1994-186456, filed on 27 Apr 1990, now patented, Pat. No. US 5284931 Continuation-in-part of Ser. No. US 1989-356647, filed on 22 Dec 1989, now abandoned Continuation-in-part of Ser. No. US 1989-32481, filed on 12 Dec 1989, now abandoned Continuation-in-part of Ser. No. US 1989-32481, filed on 16 Mar 1999, now abandoned Continuation-in-part of Ser. No. US 1988-250446, filed on 28 Sep 1988, now abandoned Continuation-in-part of Ser. No. US 1988-250446, filed on 28 Sep 1988, now abandoned Continuation-in-part of Ser. No. US 1988-35943, filed on 16 Feb 1988, now abandoned Continuation-in-part of Ser. No. US 1988-15993, filed on 16 Feb 1988, now abandoned Continuation-in-part of Ser. No. US 1987-45953, filed on 4 May 1987, now abandoned User No. US 1987-4593, filed on 4 May 1987, now abandoned User No. US 1987-4593, filed on 4 May 1987, now abandoned User No. US 1987-4593, filed on 4 May 1987, now abandoned User No. US 1987-4593, filed on 4 May 1987, now abandoned User No. US 1987-4593, filed on 5 May 1987, now abandoned User No. US 1987-4593, filed on 5 May 1987, now abandoned User No. US 1987-4593, filed on 5 May 1987, now abandoned User No. US 1987-4593, filed on 5 May 1987, now abandoned User No. US 1987-4593, filed on 5 May 1987, now abandoned User No. US 1987-4593, filed on 5 May 1987, now abandoned User No. US 1987-4593, filed on 6 May 1987, now abandoned User No. US 1987-4593, filed on 6 May 1987, now abandoned User No. US 1987-4593, filed on 6 May 1987, now abandoned User No. US 1987-4593, filed on 6 May 1987, now abandoned User No. US 1987-8593, filed on 6 May 1987, now abandoned User No. US 1987-8593, filed on 6 May 1988, now abandoned User No. US 1987-8593, filed on 6 May 1988, now abandoned User No. USe

DOCUMENT TYPE

DOCUMENT TYPE:
FILE SEGMENT:
PRIMARY EXAMINER:
LEGAL REPRESENTATIVE:
NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
LINE COUNT:

33 Drawing Figure(s); 25 Drawing Page(s)

LINE COUNT: 4852

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to intercellular adhesion molecules (ICAM-1) which are involved in the process through which lymphocytes recognize and migrate to sites of inflammation as well as attach to cellular substrates during inflammation. The invention is directed toward such molecules, screening assays for identifying such molecula and antibodies capable of binding such molecules. The invention also includes uses for adhesion molecules and for the antibodies that are capable of binding them.

```
LS ANSWER 40 OF 66

ACCESSION NUMBER: 2001:214673 USPATFULL
Implantable biocompatible immunoisolatory vehicle for the delivery of selected therapeutic products Dionne, Keith E., Rehoboth MA, United States Emerich, Dwaine F., Providence, RI, United States Hoffman, Diane, Cambridge, MA, United States Sanberg, Paul R., Spring Hill, FL, United States Christenson, Lisa, New Haven, CT, United States Hegre, Orion D., Green Valley, AZ, United States Scharp, David W., St. Louis, MO, United States Lacy, Paul E., Webster Grove, MO, United States Continued States, Patrick, Lutry, Switzerland Vasconcellos, Alfred V., Cranston, RI, United States Gentile, Frank T., Warwich, RI, United States Neurotech S.A., Evry, France (non-U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 6322804 Bl 2001127

APPLICATION INFO.: US 6322804 Bl 2001127

APPLICATION INFO.: US 6322804 Bl 2001127

APPLICATION INFO.: US 6322804 Bl 2001127

BATENT INFORMATION: US 6322804
```

```
LS ANSWER 42 OF 66 USPATFULL

ACCESSION NUMBER:

2001:107952 USPATFULL

Gels for encapsulation of biological materials

Hubbell, Jeffrey A., Concord. MA. United States

Pathak, Chandrashekhar P., Waltham, MA., United States

Sawhney, Amarpreet S., Newton, MA., United States

Beasi, Neil P., Los Angeles, CA. United States

Beasi, Neil P., Los Angeles, CA. United States

Hossain, Syed P. A., Austin, TX, United States

Board of Regents, The University of Texas Systems,

Austin, TX, United States (U.S. corporation)

**NUMBER KIND DATE**

**NUMBER KIND DATE**

**NUMBER KIND DATE**

**PATENT INFORMATION: US 6258870 Bl 20010710

APPLICATION INFO.: US 1997-783387 19970113 (8)

RELATED APPLN. INFO.: Division of Ser. No. US 1993-843465, filed on 7 Oct 1992, now patented, Pat.

NOW US 552991 Continuation-in-part of Ser. No. US 1992-870364, filed on 7 Oct 1992, now abandoned On 28 Peb 1992, now abandoned University (CRANTED PRIMARY EXAMINER: Berman, Susan W. US 1992-843485, filed ON 28 Peb 1992, now abandoned UNIVERSECTION OF LYON LLP

NUMBER OF CLAIMS: Service Continuation-in-part of Ser. No. US 1992-843485, filed ON 28 Peb 1992, now abandoned UNIVERSECTION OF LYON LLP

NUMBER OF CLAIMS: Service Continuation-in-part of Ser. No. US 1992-843485, filed ON 28 Peb 1992, now abandoned UNIVERSECTION OF LYON LLP

NUMBER OF CLAIMS: Service Continuation-in-part of Ser. No. US 1992-843485, filed ON 28 Peb 1992, now abandoned UNIVERSECTION OF LYON LLP

NUMBER OF CLAIMS: Service Continuation of Lyon LLP

NUMB
```

radiation in the form of visible or long wavelength UV light. The reaction occurs either by suspension polymerization or by interfacial polymerization. The polymer membrane can be formed directly on the surface of the biological material, or it can be formed on material which is already encapsulated.

```
LS ANSWER 41 OF 66 USPATFULL
ACCESSION NUMBER: 2001:15757) USPATFULL
TITLE: Local polymeric gel cellular therapy
Slepian, Mervin J., Tucson, AZ, United States
Massia, Stephen P., Tucson, AZ, United States
Endoluminal Therapeutics, Inc., Tucson, AZ, United
States (U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 6290729 Bl 20010918
APPLICATION INFO.: Continuation of Ser. No. US 1994-238931, filed on 6
May

1994, now patented, Pat. No. US 5843156
Continuation-in-part of Ser. No. US 1993-132745, filed on 6 Oct 1993, now patented, Pat. No. US 5575815
Continuation-in-part of Ser. No. US 1993-118978, filed on 6 Oct 1993, now patented, Pat. No. US 5575815
Continuation-in-part of Ser. No. US 1993-118978, filed on 9 9 Sep 1993, now abandoned Continuation of Ser. No. US 1992-987700, filed on 25 Mar 1992, now patented, Pat. No. US 1992-118978, filed on 9 Sep 1993, now abandoned Continuation of Ser. No. US 1992-987700, filed on 25 Mar 1992, now patented, Pat. No. US

213580
DOCUMENT TYPE: Utility
FILE SEOMENT: GRANTED
PRIMARY EXAMINER: Milano, Michael J.
LEGAL REPRESENTATIVE: Arnal Golden Gregory LLP
NUMBER OF CLAIMS: 14
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 14
EXEMPLARY CLAIM: 1
NUMBER OF USE OF SERVINGS: 14
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 14
EXEMPLARY CLAIM: 1
```

less fluent state in situ; controlled permeability and degradability; and, in the preferred embodiments, incorporation of bioactive materials for release in vivo, either to the tissue lumen surface or to the interior of the lumen, which alter cell to cell interactions.

```
LS ANSWER 43 OF 66

ACCESSION NUMBER:

ACCESSION NUMBER:

Implantable biocompatable immunoisolatory vehicle for delivery of selected therapeutic products
Dionne, Keith E., Rehoboth, MA, United States
Emerich, Dwaine F., Providence, RI, United States
Christenson, Lisa, New Haven, CT, United States
Christenson, Lisa, New Haven, CT, United States
Sanberg, Paul R., Webster Grove, MO, United States
Scharp, David W., St. Louis, MO, United States
Achischer, Patrick, Lutry, Switzerland
Vasconcellos, Alfred V., Cranston, RI, United States
Achischer, Patrick, Lutry, Switzerland
Vasconcellos, Alfred V., Cranston, RI, United States
Lugaght, Michael J., Greenwich, RI, United States
Gentile, Frank T., Warwich, RI, United States
United States (U.S. corporation)

Brown University, Providence, RI, United States
Gentile, Frank T., Warwich, RI, United States
Gentile, Frank T., Warwich, RI, United States
(U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 6083523 20000704

APPLICATION INFO.: US 1998-148671 19980904 (9)

RELATED APPLN. INFO.: Continuation of Ser. No. US 1995-449837, filed on 24
May 1995, now patented, Pat. No. US 5874099 And a continuation-in-part of Ser. No. US 1991-692403, filed on 24 App 1992 Which is a continuation-in-part of Ser. No. US 1991-692403, filed on 25 Apr 1991

DOCUMENT TYPE: Utility
FILE SEGMENT: Patrick, United States
Appuru, Carlos A.

Elifi (Yor R., Prince, John
NUMBER OF DRAWINS: 15 Drawing Figure(s); 9 Drawing Page(s)

LINE COUNT: 3880

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An immunoisolatory vehicle for the implantation into an individual of cells which produce a needed product or provide a needed metabolic function. The wehicle is comprised of a coze region containing isolated cells and materials sufficient to maintain the cells, and a permeelective, biocompatible, peripheral region free of the isolated cells, which immunoisolates the core
```

L5 ANSWER 44 OF 66 USPATFULL ACCESSION NUMBER: 1999:166965 USPATFULL

Protein adquences of serrate gene products
Ish-Horowicz, David, Oxford, United Kingdom
Henrique, Domingos Manuel Pinto, Oxford, United TITLE: INVENTOR(S):

Kingdon

Lewis, Julian Hart, Oxford, United Kingdom Myat, Anna Mary, Oxford, United Kingdom Fleming, Robert J., Rochester, NY, United States Artavania-Taskonas, Spyridon, Hamden, CT, United

States

Mann, Robert S., Hamden, CT, United States Gray, Grace E., New Haven, CT, United States Imperial Cancer Research Technology, Ltd., London, United Kingdom (non-U.S. corporation) Yale University, New Haven, CT, United States (U.S. PATENT ASSIGNEE(S):

corporation)

NUMBER KIND DATE PATENT INFORMATION: APPLICATION INFO.: RELATED APPLN. INFO.:

US 6004924

US 1996-611729

19960306 (8)

Continuation-in-part of Ser. No. US 1995-400159, filed on 7 Mar 1995 which is a continuation-in-part of Ser. No. US 1994-255102, filed on 7 Jun 1994, now abandoned which is a continuation of Ser. No. US 1991-121979, filed on 14 Sep 1991, now abandoned which is a continuation of Ser. No. US 1991-808458, filed on 11 Dec 1991, now abandoned Utility Granted Carlson, Karen Coats

DOCUMENT TYPE:

FILE SEGMENT: PRIMARY EXAMINER: Carlson, Karen Cochrane Pennie & Edmonds LLP 75 LEGAL REPRESENTATIVE:

NUMBER OF CLAIMS: EXEMPLARY CLAIM: NUMBER OF DRAWINGS:

53 Drawing Figure(s); 38 Drawing Page(s)

NUMBER OF DRAWINGS: 53 Drawing Figure(s); 38 Drawing Page(s)
LINE COUNT: 6519
CAS INDEXING IS AVAILABLE POR THIS PATENT.

The present invention relates to nucleotide sequences of Serrate genes, and amino acid sequences of their encoded proteins, as well as derivatives (e.g., fragments) and analogs thereof. In a specific embodiment, the Serrate protein is a human protein. The invention further relates to fragments (and derivatives and analogs thereof) of Serrate which comprise one or more domains of the Serrate protein, including but not limited to the intracellular domain, extracellular domain, DSL domain, oversity of the servate protein in the servate protein, membrane-associated region, or one or more EGF-like repeats of a Serrate

protein, or any combination of the foregoing. Antibodies to Serrate, its

derivatives and analogs, are additionally provided. Methods of production of the Serrate proteins, derivatives and analogs, e.g., by recombinant means, are also provided. Therapeutic and diagnostic methods

and pharmaceutical compositions are provided. In specific examples isolated Serrate genes, from Drosophila, chick, mouse, Xenopus and human, are provided.

L5 ANSWER 45 OF 66 ACCESSION NUMBER: TITLE:

INVENTOR(S):

USPATFULL
1999:36949 USPATFULL
Engineering oral tissues
Mooney, David J., Ann Arbor, MI, United States
Rutherford, Robert B., Ann Arbor, MI, United States
The Regents of the University of Michigan, Ann Arbor,
MI, United States (U.S. corporation)

PATENT ASSIGNEE(S):

NUMBER KIND DATE
US 5885829 1999032
US 1997-864494 1997052 PATENT INFORMATION: APPLICATION INFO.: 19990323 19970528 (8)

DATE 19960528 (60)

PRIORITY INFORMATION: DOCUMENT TYPE: FILE SEGMENT: US 1996-18450P Utility Granted FILE SEGMENT:
PRIMARY EXAMINER:
LEGAL REPRESENTATIVE:
NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
LINE COUNT:

Degen, Nancy Arnold, White & Durkee 109

EXEMPLARY CLAIM:

1 Drawing Figure(s); 11 Drawing Page(s)

LINE COUNT:

8001

CAS INDEXING 3 AVAILABLE FOR THIS PATENT.

AB Disclosed are methods for regenerating dental and oral tissues from viable cells using ex vivo culture on a structural matrix. The regenerated oral tissues and tissue-matrix preparations thus provided have both clinical applications in dentistry and oral medicine and are also useful in in vitro toxicity and biocompatibility testing.

L5 ANSWER 44 OF 66 USPATFULL (Continued)

LS ANSWER 46 OF 66 USPATFULL ACCESSION NUMBER: 1999:24: TITLE: Methods vehicles

SPATFULL 1999:24325 USPATFULL Methods for making immunoisolatary implantable

with a biocompatible jacket and a biocompatible matrix

INVENTOR (S) :

core

core

Dionne, Keith E., Rehoboth, MA, United States

Bemerich, Dwaine F., Providence, RI, United States

Hoffman, Diane, Cambridge, MA, United States

Hoffman, Diane, Cambridge, MA, United States

Hoffman, Paul R., Spring Hill, FL, United States

Christenson, Lisa, New Haven, CT, United States

Hegre, Orion D., Green Valley, AZ, United States

Lacy, Paul E., Webater Grove, MO, United States

Lacy, Paul E., Webater Grove, MO, United States

Aebiacher, Patrick, Lutry, Switzerland

Vascohcellos, Alfred V., Cranston, RI, United States

Lysaght, Michael J., E. Greenwich, RI, United States

Brown University, Research Foundation, United States

(U.S. corporation)

PATENT ASSIGNEE(S):

NUMBER R KIND DATE

PATENT INFORMATION:

APPLICATION INFO.: RELATED APPLN. INFO.:

US 5874099 19990223 US 1995-449837 19950524 (8) Division of Ser. No. US 1994-179151, filed on 10 Jan 1994 which is a continuation-in-part of Ser. No. US 1991-692403, filed on 25 Apr 1991, now abandoned

DOCUMENT TYPE:

Utility
Granted
Bawa, Raj
Elrifi, Ivor R.Mitz, Levin DOCUMENT TYPE: FILE SEGMENT: PRIMARY EXAMINER: LEGAL REPRESENTATIVE: NUMBER OF CLAIMS: EXEMPLARY CLAIM: NUMBER OF DRAWINGS:

3879

15 Drawing Figure(s); 9 Drawing Page(s) LINE COUNT: CAS INDEXING IS AVAILABLE FOR THIS PATENT.

DEXING IS AVAILABLE FOR THIS PATENT.

A method of forming an implantable and retrievable immunoisolatory vehicles is disclosed, the method comprising the steps of first forming a core comprising a volume of at least 1 .mu.l and at least 10.sup.4 cells capable of providing a biologically active product or metabolic or immunologic function, said cells being dispersed in a biocompatible hydrogel or extracellular matrix, and then forming around the core a surrounding external biocompatible thermoplastic or hydrogel jacket free of said cells projecting externally thereof, said jacket having molecular weight cutoff permitting passage of molecules

and from the core through said jacket to provide said biologically active product or function.

L5 ANSWER 49 OF 66 ACCESSION NUMBER:

INVENTOR(S):

USPATPULL

```
L5 ANSWER 47 OF 66 USPATFULL ACCESSION NUMBER: 1999:21
                                                                                                                  SPATFULL
1999:21753 USPATFULL
Methods for treatment or prevention of
neurodegenerative conditions using immunoisolatory
implantable vehicles with a biocompatible jacket and a
biocompatible matrix core
Dionne, Keith E., Rehoboth, MA, United States
Emerich, Dwaine F., Providence, RI, United States
Hoffman, Diane, Cambridge, MA, United States
Hoffman, Paul R., Spring Hill, FL, United States
Christenson, Lisa, New Haven, CT, United States
Christenson, Lisa, New Haven, CT, United States
Hegre, Orion D., Green Valley, AZ, United States
Scharp, David W., St. Louis, MO, United States
Scharp, David W., St. Louis, MO, United States
Aebischer, Patrick, Lutry, Switzerland
Vasconcellos, Alfred V., Cranston, RI, United States
Lysaght, Michael J., E. Greenwich, RI, United States
Gentile, Frank T., Warwich, RI, United States
Brown University Research Foundation, United States
 INVENTOR(S):
  PATENT ASSIGNER(S):
                                                                                                                                             NUMBER
                                                                                                                                                                            R KIND
                                                                                                                                                                                                                                               DATE
                                                                                                                    US 5871767 19990216
US 1995-449062 19950524 (8)
Division of Ser. No. US 1994-179151, filed on 10 Jan
1994 which is a continuation-in-part of Ser. No. US
1991-692403, filed on 25 Apr 1991, now abandoned
  PATENT INFORMATION:
  APPLICATION INFO.:
RELATED APPLN. INFO.:
 DOCUMENT TYPE:
FILE SEGMENT:
PRIMARY EXAMINER:
LEGAL REPRESENTATIVE:
NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
LINE COUNT:
                                                                                                                    1991-692403, tiled on 25 Apr
Utility
Granted
Bawa, Raj
Ekrufu, Ivor R.Mintz, Levin
45
                                                                                                                       15 Drawing Figure(s); 9 Drawing Page(s)
 NUMBER OF DRAWINGS: 15 Drawing Figure(s); 9 Drawing Page(s)
LINE COUNT: 3909

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for treatment of a neurodegenerative condition in a patient comprising implanting in the patient at least one immunoisolatory vehicle comprising a corc comprising a volume of at least 1 .mu.l and
                                  least 10.sup.4 living cells which secrete at least one biologically active product, said cells being dispersed in a biocompatible matrix comprising a hydrogel or extracellular matrix components, and an external jacket surrounding the core, the jacket comprising a biocompatible hydrogel or thermoplastic, the jacket being free of cells projecting externally thereof, said jacket having a molecular weight cutoff permitting the passage of the biologically active product from the core through the jacket.
```

ANSWER 48 OF 66 USPATFULL (Continued)

```
L5 ANSWER 48 OF 66 USPATFULL
ACCESSION NUMBER:
TITLE:
INVENTOR(S):
INVENTOR(S):
IS-HOROWAGE
Henrique, Domingos Manuel Pinto, Oxford, England
Henrique, Domingos Manuel Pinto, Oxford, England
Henrique, Domingos Manuel Pinto, Oxford, England
Hyst, Anna Marry, Oxford, England
Fleming, Robert J., Rochester, NY, United States
Artavanis-Tsakonas, Spyridon, Hamden, CT, United
                                                                                                     Mann, Robert S., Hamden, CT, United States
Gray, Grace E., New Haven, CT, United States
Imperial Cancer Research Technology, Ltd., London,
England (non-U.S. corporation)
Yale University, Haven, CT, United States (U.S.
corporation)
    PATENT ASSIGNEE(S):
                                                                                                                                                  R KIND
                                                                                                                          NIMBER
                                                                                                                                                                                                         DATE
                                                                                                     US 5869282 19990209
US 1995-400159 19950307 (8)
Continuation-in-part of Ser. No. US 1994-255102, filed
on 7 Jun 1994, now abandoned which is a continuation
     PATENT INFORMATION:
    APPLICATION INFO.:
RELATED APPLN. INFO.:
                                                                                                   Ser. No. US 1993-121979, filed on 14 Sep 1993, now abandoned which is a continuation of Ser. No. US 1991-808458, filed on 11 Dec 1991, now abandoned Utility Granted Carlson, Karen Cochrane Pennie & Edmonds LLP 109
abandoned which is a continuation of Set. No. World 1991-808458, filed on 11 Dec 1991, now abandoned DOCUMENT TYPE: Utility
FILE SEGMENT: Granted Carlson, Karen Cochrane
PRIMARY EXAMINER: Carlson, Karen Cochrane
NUMBER OF CLAIMS: 109
EXEMPLARY CLAIM: 109
EXEMPLARY CLAIM: 51 Drawing Figure(s); 36 Drawing Page(s)
LINE COUNT: 5411
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to nucleotide sequences of Serrate genes, and amino acid sequences of their encoded proteins, as well as derivatives (e.g., fragments) and analogs thereof. In a specific embodiment, the Serrate protein in a human protein. The invention further relates to fragments (and derivatives and analogs thereof) of Serrate which comprise one or more domains of the Serrate protein, including but not limited to the intracellular domain, extracellular domain, DSL domain, cysteine rich domain, transmembrane region, membrane-associated region, or one or more EGF-like repeats of a Serrate
                             protein, or any combination of the foregoing. Antibodies to Serrate,
                               derivatives and analogs, are additionally provided. Methods of production of the Serrate proteins, derivatives and analogs, e.g., by recombinant means, are also provided. Therapeutic and diagnostic
                              s
and pharmaceutical compositions are provided. In specific examples,
isolated Serrate genes, from Drosophila, chick, mouse, Xenopus and
human, are provided.
```

SPATFULL
1999:18748 USPATFULL
Methods for treating diabetes by delivering insulin from biocompatible cell-containing devices bionne, Keith E., Rehoboth, MA, United States Emerich, Dwaine F., Providence, RI, United States Hoffman, Diane, Cambridge, MA, United States Hoffman, Diane, Cambridge, MA, United States Sanberg, Paul R., Spring Hill, FL, United States Christenson, Lisa, New Haven, CT, United States Hegre, Orion D., Green Valley, AZ, United States Scharp, David W., St. Louis, MO, United States Lacy, Paul E., Webster Grove, MO, United States Aebischer, Patrick, Lutry, Switzerland Vasconcellos, Alfred V., Cranston, RI, United States Lysaght, Michael J., Greenwich, RI, United States Gentile, Frank T., Marwich, RI, United States Brown University Research Foundation, United States (U.S. corporation) PATENT ASSIGNEE(S): NUMBER KIND DATE

S869077 19990209
US 1995-449562 19950524 (8)
Division of Ser. No. US 1994-179151, filed on 10 Jan 1994 which is a continuation-in-part of Ser. No. US 1991-692403, filed on 25 Apr 1991, now abandoned Utility
Granted
Bawa, Raj
Elrifi, Ivor R.Mintz, Levin 13 PATENT INFORMATION: APPLICATION INFO.: RELATED APPLN. INFO.: DOCUMENT TYPE DOCUMENT TYPE:
FILE SEGMENT:
PRIMARY EXAMINER:
LEGAL REPRESENTATIVE:
NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
LINE COUNT: NUMBER OF CLAIMS: 13
EXEMPLARY CLAIM: 1
Drawing Figure(s); 9 Drawing Page(s)
LINE COUNT: 3813
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for treating diabetes in a patient comprising subcutaneously implanting in the patient at least one immunoisolatory vehicle comprising a core comprising a volume of at least 1 mu.l and at least about 10 sup.4 living cells which secrete insulin, seid cells being dispersed in a biocompatible matrix comprising a volume of at least 1 sun.l and at least about 10 sup.4 living cells which secrete insulin, seid cells being dispersed in a biocompatible matrix comprising a hydrogel or extracellular matrix components, and a surrounding external jacket of a biocompatible thermoplastic or hydrogel free of said cells projecting externally thereof, said jacket being permaelective and immunoisolatory,
said jacket having a molecular weight cutoff permitting passage of molecules between the patient and core through said jacket wherein the insulin is released from the immunoisolatory vehicle into the patient's body to treat diabetes.

L5 ANSWER 51 OF 66 USPATFULL ACCESSION NUMBER: 1998:150

TITLE: INVENTOR(S):

PATENT ASSIGNEE(S):

PATENT INFORMATION: APPLICATION INFO.: RELATED APPLN. INFO.:

L5 ANSWER 50 OF 66 USPATFULL ACCESSION NUMBER: 1999:440

```
US 5858746 19990112
US 1995-377911 19950125 (8)
Continuation of Ser. No. US 1993 24657, filed on 1 Mar 1993, now patented, Pat. No. US 5573934 which is a continuation in-part of Ser. No. US 1992-958870, filed on 7 Oct 1992, now patented, Pat. No. US 529914 which is a continuation-in-part of Ser. No. US 1992-870540, filed on 20 Apr 1992, now abandoned Utility
      DOCUMENT TYPE:
                                                                                                                Utility
Granted
        FILE SEGMENT
                                                                                                               Granted
Lilling, Herbert J.
Arnall Golden & Gregory, LLP
31
       PRIMARY EXAMINER:
LEGAL REPRESENTATIVE:
      NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
                                                                                                                11 Drawing Figure(s); 7 Drawing Page(s)
     LINE COUNT:
2333
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Water soluble macromers are modified by addition of free radical polymerizable groups, such as those containing a carbon-carbon double
      LINE COUNT:
                                                                                                               2333
                                   triple bond, which can be polymerized under mild conditions to encapsulate tissues, cells, or biologically active materials. The polymeric materials are particularly uneful as tissue adhesives, coatings for tissue lumens including blood vessels, coatings for cells such as islets of Langerhans, coatings, plugs, supports or substrates for contact with biological materials such as the body, and as drug delivery devices for biologically active molecules.
    L5 ANSWER 52 OF 66 USPATFULL
ACCESSION NUMBER: 1998:15
                                                                                                                1998:150186 USPATFULL
                                                                                                              Local polymeric gel cellular therapy
Slepian, Marvin, Tucson, AZ, United States
Massia, Stephen P., Tucson, AZ, United Stat
Endoluminal Therapeutics, Inc., Tucson, AZ,
States (U.S. corporation)
    INVENTOR(S):
   PATENT ASSIGNEE(S):
                                                                                                                                   NUMBER
                                                                                                                                                                                         KIND
                                                                                                                                                                                                                         DATE
                                                                                                          US 5843156 19981201
US 1994-238931 19940506 (8)
Continuation-in-part of Ser. No. US 1993-132745, filed on 6 Oct 1993, now patented, Pat. No. US 5575815 which is a continuation-in-part of Ser. No. US 1993-118978, filed on 9 Sep 1993, now abandoned which is a continuation-in-part of Ser. No. US 1992-987357, filed on 7 Dec 1992, now abandoned which is a continuation of Ser. No. US 1992-987357, filed on 7 Dec 1992, now abandoned which is a continuation
    PATENT INFORMATION:
    APPLICATION INFO.:
RELATED APPLN. INFO.:
                                                                                                           on 7 Dec 1992, now abandoned which is a continuation Ser. No. US 1992-857700, filed on 25 Mar 1992, now patented, Pat. No. US 5313580 which is a continuation of Ser. No. US 1990-593302, filed on 3 Oct 1990, now abandoned which is a continuation of Ser. No. US 1988-235998, filed on 24 Aug 1988, now abandoned which is a continuation of Ser. No. US 1984-182516, filed on 14 Jan 1994 which is a continuation of Ser. No. US -593302 which is a continuation-in-part of Ser. No. US -593302 which is a continuation-in-part of Ser. No. US -593302 which is a continuation-in-part of Ser. No. US 1993-101966, filed on 4 Aug 1993, now patented, Pat. No. US 5128471 which is a continuation of Ser. No. US 1991-859907, filed on 15 Apr 1992, now abandoned which is a continuation of Ser. No. US 1991-759048, filed on 5 Sep 1991, now abandoned which is a continuation of Ser. No. US 1990-485287, filed on 26 Feb 1990, now abandoned
    of
    DOCUMENT TYPE:
                                                                                                              Utility
Granted
     FILE SEGMENT:
                                                                                                           Granted
Brittingham, Debra S.
Arnall Golden & Gregory, LLP
    PRIMARY EXAMINER:
    LEGAL REPRESENTATIVE:
NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
NUMBER OF DRAWINGS: 23 Drawing Figure(s); / Drawing rage(s)
LINE COUNT: 1484

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for providing a synthetic barrier made of biocompatible polymeric materials in vivo which involves application of a material to a tissue or cellular surface such as the interior surface of a blood vessel, tissue lumen or other hollow space, is disclosed herein. The material may also be applied to tissue contacting surfaces of implantable medical devices. The polymeric materials are characterized by a fluent state which allows application to and, preferably adhesion to, tissue lumen surfaces, which can be increased or altered to a second
                                                                                                            23 Drawing Figure(s); 7 Drawing Page(s)
```

less fluent state in situ; controlled permeability and degradability; and, in the preferred embodiments, incorporation of bioactive materials for release in vivo, either to the tissue lumen surface or to the interior of the lumen, which alter cell to cell interactions.

SPATFULL
1999:4407 USPATFULL
Gele for encapsulation of biological materials
Hubbell, Jeffrey A., Austin, TX, United States
Pathak, Chandrashekhar P., Waltham, MA, United States
Sawhney, Amarpreet S., Newton, MA, United States
Desai, Neil P., Los Angeles, C.A, United States
Hill, Jennifer L., Austin, TX, United States
Hossainy, Syed F. A., Austin, TX, United States
Board of Regents, The University of Texas System,
Austin, TX, United States
U.S. corporation)

KIND DATE

NUMBER

```
SPATFULL
1998:150757 USPATFULL
Gels for encapsulation of biological materials
Hubbell, Jeffrey A., Austin, TX, United States
Pathak, Chandrashekhar P., Waltham, MA, United States
Sawhney, Amarpreet S., Newton, MA, United States
Demai, Neil P., Los Angeles, CA, United States
Hill, Jennifer L., Austin, TX, United States
Hosssiny, Syed F. A., Austin, TX, United States
Board of Regents, The university of Texas System,
Austin, TX, United States (U.S. corporation)
    TITLE:
INVENTOR(S):
   PATENT ASSIGNEE(S):
                                                                                                                                                                                NUMBER KIND DATE
                                                                                                                                               NUMBER KIND DATE

195 543743 19981201
US 1995-467815 19950606 (8)
Division of Ser. No. US 1993-24657, filed on 1 Mar
1993, now patented, Pat. No. US 1993-394 which is a
continuation-in-part of Ser. No. US 1992-958870, filed
on 7 Oct 1992, now patented, Pat. No. US 5529914 which
is a continuation-in-part of Ser. No. US 1992-870540,
filed on 20 Apr 1992, now abandoned which is a
continuation-in-part of Ser. No. US 1992-843485, filed
on 28 Feb 1992, now abandoned
Utility 1992, now abandoned
Utility 1992, now abandoned
Naff, David M.
Ware, Deborah K.
Arnall, Golden & Golden, LLP
22
1
   PATENT INFORMATION:
APPLICATION INFO.:
RELATED APPLN. INFO.:
On 28 Feb 1992, now abandoned
Utility
FILE SEGMENT: Granted
Naff, David M.
ASSISTANT EXAMINER: Ware, Deborah K.
LEGAL REPRESENTATIVE: Arnall, Golden & Golden, LLP
NUMBER OF CLAIMS: 22
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 11 Drawing Pigure(a); 7 Drawing Page(a)
LINE COUNT: 1829

LINE COUNT: 1829

Water soluble macromers are modified by addition of free radical polymerizable groups, such as those containing a carbon-carbon double or
                                         triple bond, which can be polymerized under mild conditions to encapsulate tissues, cells, or biologically active materials. The polymeric materials are particularly useful as tissue adhesives, coatings for tissue lumens including blood vessels, coatings for cells such as islets of Lengerhans, coatings, plugs, supports or substrates for contact with biological materials such as the body, and as drug delivery devices for biologically active molecules.
```

L5 ANSWER 53 OF 66 U	SPATFULL	
ACCESSION NUMBER:	1998:138717 USPATFULL	
TITLE:	Gels for encapsulation of biological materials	
INVENTOR (5):	Hubbell, Jeffrey A., Austin, TX, United States	
	Pathak, Chandrashekhar P., Waltham, MA, United States	
	Sawhney, Amarpreet S., Newton, MA, United States	
	Desai, Neil P., Los Angeles, CA, United States	
	Hill, Jennifer L., Austin, TX, United States	
	Hossainy, Syed F. A., Austin, TX, United States	
PATENT ASSIGNEE(S):	Board of Regents, The University of Texas System,	
	Austin, TX, United States (U.S. corporation)	
	NUMBER KIND DATE	

PATENT INFORMATION:	US 5834274 19981110	
APPLICATION INFO.:	US 1995-467693 19950606 (8)	
RELATED APPLN. INFO.:	Division of Ser. No. US 1993-24657, filed on 1 Mar	
	1993, now patented, Pat. No. US 5573934 which is a	
	continuation-in-part of Ser. No. US 1992-958870, filed	
	on 7 Oct 1992, now patented, Pat. No. US 5529914 which	
	is a continuation-in-part of Ser. No. US 1992-870540,	
DOCUMENT TYPE:	filed on 20 Apr 1992, now abandoned Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Lilling, Herbert J.	
LEGAL REPRESENTATIVE:	Arnall Golden & Gregory, LLP	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	11 Drawing Figure(s); 7 Drawing Page(s)	
LINE COUNT:	1821	
CAS INDEXING IS AVAILAB		
AB Water soluble ma	cromers are modified by addition of free radical	
polymerizable gr	oups, such as those containing a carbon-carbon double	
or	· ·	
triple bond, whi	ch can be polymerized under mild conditions to	
encapsulate tissues, cells, or biologically active materials. The		
polymeric materials are particularly useful as tissue adhesives,		
coatings for tis	sue lumens including blood vessels, coatings for cells	
such as islets of Langerhans, coatings, plugs, supports or substrates		
for contact with	biological materials such as the body, and as drug	
delivery devices	for biologically active molecules.	

matrix

INVENTOR(S):

PATENT ASSIGNEE(S):

LS ANSWER 54 OF 66 USPATFULL
ACCESSION NUMBER: 1998:138
TITLE: Methods
vehicles

1998:138453 USPATFULL

NUMBER

Methods for making immunoisolatory implantable with a biocompatiable jacket and a biocompatible

Core
Dionne, Keith E., Rehoboth, MA, United States
Emerich, Dwaine F., Providence, RI, United States
Hoffman, Diane, Cambridge, MA, United States
Hoffman, Paul R., Spring Hill, FL, United States
Samberg, Paul R., Spring Hill, FL, United States
Christenson, Lisa, New Haven, CT, United States
Hegre, Orion D., Green Valley, AZ, United States
Sharp, David W., St. Louis, Mo, United States
Lacy, Paul E., Webster Grove, Mo, United States
Aebischer, Patrick, Lutry, Switzerland
Vasconcellos, Alfred V., Cranston, RI, United States
Lysaght, Michael J., Greenwich, RI, United States
Gentile, Frank T., Warwich, RI, United States
Brown University Research Foundation, United States
(U.S. corporation)

5.4

```
R KIND DATE
                                                                                        US 583401 19981110
US 1995-449214 19950524 (8)
Division of Ser. No. US 1994-179151, filed on 10 Jan
1994 which is a continuation-in-part of Ser. No. US
1991-692403, filed on 25 Apr 1991, now abandoned
   PATENT INFORMATION:
  APPLICATION INFO.:
RELATED APPLN. INFO.:
 DOCUMENT TYPE:
                                                                                         Utility
Granted
   FILE SEGMENT:
PRIMARY EXAMINER:
                                                                                          Bawa, Raj
Ivor Elrifi Mintz, Levin
   LEGAL REPRESENTATIVE:
 NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
                                                                                          15 Drawing Figure(s); 9 Drawing Page(s)
  LINE COUNT
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
                          A method of forming an implantable and retrievable immunoisolatory vehicle is disclosed, the method comprising the steps of first forming
                         jacket of biocompatible thermoplastic or hydrogel, and then loading the jacket with a core comprising a volume of at least 1 .mu.1 and at least 10.sup.4 cells capable of secreting a biocompatible matrix comprising a hydrogel or extracellular matrix, said jacket having a molecular weight cutoff permitting passage of molecules thereacross to provide said biologically active product or said function.
                                                                            USPATFULL

1998:104606 USPATFULL

Gels for encapsulation of biological materials Hubbell, Jeffrey A., Concord, MA, United States Pathak, Chandrashekhar P., Waltham, MA, United States Sawhney, Amarpreet S., Newton, MA, United States Desai, Neil P., Los Angeles, CA, United States Hossainy, Syed F. A., Austin, TX, United States The Board of Regents, The University of Texas System, Austin, TX, United States
 PATENT ASSIGNEE(S):
                                                                                       NUMBER KIND DATE

US 5801033 19980901
US 1995-480678 19950607 (8)
Continuation of Ser. No. US 1992-958870, filed on 7
 PATENT INFORMATION:
APPLICATION INFO.:
RELATED APPLN. INFO.:
Oct
                                                                                     1992, now patented, Pat. No. US 5529914 which is a continuation-in-part of Ser. No. US 1992-870540, filed on 20 Apr 1992, now abandoned which is a continuation-in-part of Ser. No. US 1992-843485, filed on 28 Feb 1992, now abandoned Utility Granted Lilling, Herbert J. Lyon & Lyon LLP 21
ON 28 Feb 1992, now abandoned

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
FRIMARY EXAMINER: Lilling, Herbert J.
LEGAL REPRESENTATIVE: Lyon LLP
NUMBER OF CLAIMS: 21
EXEMPLARY CLAIM: 1
NUMBER OF DEAMINOS: 17 Drawing Figure(8): 12 Drawing Fage(8)
LINE COUNT: 2145
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides novel methods for the formation of biocompatible
membranes around biological materials using photopolymerize
                          membranes around biological materials using photopolymerization of
                        soluble molecules. The membranes can be used as a covering to encapsulate biological materials or biomedical devices, as a "glue" to cause more than one biological substance to adhere together, or as carriers for biologically active species. Several methods for forming these membranes are provided. Each of these methods utilizes a polymerization system containing water-soluble macromers, species which are at once polymers and macromolecules capable of further polymerization. The macromers are polymerized using a photoinitiator (such as a dye), optionally a cocatalyst, optionally an accelerator,
                        radiation in the form of visible or long wavelength UV light. The reaction occurs either by suspension polymerization or by interfacial polymerization. The polymer membrane can be formed directly on the surface of the biological material, or it can be formed on material which is already encapsulated.
```

```
L5 ANSWER 55 OF 66 USPATFULL
ACCESSION NUMBER: 1998:135177 USPATFULL
TITLE: Soluble f----
                                                                                              1998:135177 USPATFULL
Soluble fragments of human intercellular adhesion
molecule-1
Springer, Timothy A., Newton, MA, United States
Rothlein, Robert, Danbury, CT, United States
Marlin, Steven D., Danbury, CT, United States
Dustin, Michael L., University City, MO, United States
Dana Farber Cancer Institute, Boston, MA, United
 INVENTOR(S):
 PATENT ASSIGNEE(S):
                                                                                                (U.S. corporation)
                                                                                             NUMBER KIND DATE

US 5831036 19981103
US 1993-140554 19931025 (8)
Division of Ser. No. US 1990-515478, filed on 27 Apr
1990, now abandoned which is a continuation-in-part of
Ser. No. US 1987-45963, filed on 4 May 1987, now
abandoned Ser. No. Ser. No. US 1997-115798, filed on 2
Nov 1997, now abandoned Ser. No. Ser. No. US
1988-155943, filed on 16 Feb 1988, now abandoned Ser.
No. Ser. No. US 1988-189815, filed on 3 May 1988, now
abandoned Ser. No. Ser. No. US 1988-250446, filed on
                                                                                                                                                                                          DATE
 PATENT INFORMATION:
  APPLICATION INFO.:
RELATED APPLN. INFO.:
28
                                                                                              Sep 1988, now abandoned Ser. No. Ser. No. US
1989-324481, filed on 16 Mar 1989, now abandoned Ser.
No. Ser. No. US 1989-373882, filed on 30 Jun 1989, now
abandoned And Ser. No. US 1989-456647, filed on 22 Dec
1989, now abandoned
                                                                                               1989, n
Utility
Granted
DOCUMENT TYPE:
 FILE SEGMENT:
PRIMARY EXAMINER:
LEGAL REPRESENTATIVE:
                                                                                               Cunningham, Thomas M.
Sterne, Kessler, Goldstein & Fox P.L.L.C.
 LEGAL REPRESENTATIVE
NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
LINE COUNT:
                                                                                                33 Drawing Figure(s); 25 Drawing Page(s)
LINE COUNT:

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to intercellular adhesion molecules (ICAM-I) which are involved in the process through which lymphocytes recognize and migrate to sites of inflammation as well as attach to cellular substrates during inflammation. The invention is directed toward such molecules, screening assays for identifying such molecules and antibodies capable of binding such molecules. The invention also includes uses for adhesion molecules and for the antibodies that are capable of binding them.
```

```
ANSWER 57 OF 66 USPATFULL
                                                                            1998:104405 USPATFULL
Methods for coextruding immunoisolatory implantable vehicles with a biocompatible jacket and a biocompatible matrix core
Dionne, Keith E., Rehoboth, MA, United States
Emerich, Dwaine F., Providence, RI, United States
Hoffman, Diane, Cambridge, MA, United States
Sanberg, Paul R., Spring Hill, FL, United States
Christenson, Lisa, New Haven, CT, United States
Hegre, Orion D., Green Valley, AZ, United States
Scharp, David W., St. Louis, MO, United States
Lacy, Paul E., Webster Grove, MO, United States
Aebischer, Patrick, Lutry, Switzerland
Vasconcellos, Alfred V., Cranston, RI, United States
Lysaght, Michael J., E. Greenwich, RI, United States
Centile, Frank T., Marwich, RI, United States
Brown University Research Foundation, United States
(U.S. corporation)
   ACCESSION NUMBER:
                                                                               1998:104405 USPATFULL
   TITLE:
  INVENTOR(S):
  PATENT ASSIGNEE(S):
                                                                                             NUMBER KIND
                                                                                                                                                               DATE
  PATENT INFORMATION:
                                                                              US 5800829
                                                                                                                                                       19980901
                                                                              US 1995-449274 19950524 (8)
Division of Ser. No. US 1994-179151, filed on 10 Jan
1994 Which is a continuation-in-part of Ser. No. US
1991-693403, filed on 25 Apr 1991, now abandoned
  APPLICATION INFO.:
RELATED APPLN. INFO.:
  DOCUMENT TYPE:
                                                                              Utility
Granted
   FILE SEGMENT
  PRIMARY EXAMINER:
                                                                              Bawa, Raj
Elrifi, Ivor R.Mintz, Levin
  LEGAL REPRESENTATIVE:
  NUMBER OF CLAIMS:
  EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
                                                                              15 Drawing Figure(s); 9 Drawing Page(s)
 LINE COUNT: 3898

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method of making an immunoisolatory vehicle comprised of a core comprising living cells dispersed in a biocompatible matrix is disclosed, the cells being capable of secreting a biologically
  LINE COUNT:
                                                                              3898
                      product or of providing a metabolic or immunologic function to an individual, and an external jacket surrounding said core which is a biocompatible, permselective thermoplastic or hydrogel, said
                       being free of said cells, comprising coextruding a suspension
being tree or was continuous comprising said cells dispersed in a precursor matrix material comprising said cells dispersed in a precursor matrix material comprising extracellular matrix components or a biocompatible hydrogel precursor, and a solution of a biocompatible jacket precursor from a nested dual-bore extrusion nozzle, wherein the suspension of (a) is coextruded from the inner bore and the solution of (b) is coextruded from the
                      bore of the nozzle, to form said jacket as the solution of (b) and the suspension of (a) are coextruded; and exposing the vehicle to a treatment that forms a core comprising a volume of at least 1 .mu.l and at least 10.sup.4 cells and comprising a biocompatible matrix from the precursor matrix of solution (a).
```

INVENTOR(S):

PATENT ASSIGNEE (S):

PATENT INFORMATION:

L5 ANSWER 58 OF 66 USPATFULL ACCESSION NUMBER: 1998:10-TITLE: Implant

```
US 5800828 19980901 19940110 (8) Continuation-in-part of Ser. No. US 1991-692403, filed on 25 Apr 1991, now abandoned Utility Granted
   APPLICATION INFO.:
RELATED APPLN. INFO.:
 DOCUMENT TYPE:
   FILE SEGMENT
                                                                                    Bawa, Raj
Elrifi, Ivor R.Mintz, Levin
   PRIMARY EXAMINER:
   LEGAL REPRESENTATIVE:
 NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
                                                                                       15 Drawing Figure(s); 9 Drawing Page(s)
NUMBER OF DRAWINS: 15 Drawing Figure(s); 9 Drawing Page(s)
LINE COUNT: 3914
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Immunoisolatory vehicles having a core and a surrounding
jacket are disclosed, the core having a volume in excess of 1
.mu.1 and at least about 10.sup.4 living cells capable of secreting a
biologically active product or of providing a hiological function to a
patient, the cells dispersed in a biocompatible matrix formed of a
hydrogel or an extracellular matrix component, and the external jacket
being permselective, biocompatible and having a molecular weight cutoff
permitting passage of molecules between the patient and the core
through said jacket to provide said biological product or function.
  LINE COUNT:
L5 ANSWER 60 OF 66 USPATFULL ACCESSION NUMBER: 97:22654
                                                                                     97:22659 USPATFULL
                                                                                   97:22659 USPATFULL
Nucleotide sequence encoding intercellular adhesion
molecule-1 and fragments thereof
Springer, Timothy A., Newton, MA, United States
Rothlein, Robert, Danbury, CT, United States
Marlin, Steven D., Danbury, CT, United States
Dustin, Michael L., University City, Mo, United States
Dana Farber Cancer Institute, Boston, MA, United
 INVENTOR(S):
 PATENT ASSIGNEE(S):
States
                                                                                     (U.S. corporation)
                                                                                                      NUMBER
                                                                                                                       ER KIND DATE
 PATENT INFORMATION:
                                                                                  US 5612216 19970318
US 1994-186456 19940125 (8)
Division of Ser. No. US 1990-515478, filed on 27 Apr
1990, now patented, Pat. No. US 5284931 And a
continuation-in-part of Ser. No. US 1987-45963, filed
on 4 May 1987, now abandoned Ser. No. Ser. No. US
1987-115798, filed on 2 Nov 1987, now abandoned Ser.
No. Ser. No. US 1988-155943, filed on 16 Feb 1988, now
abandoned Ser. No. Ser. No. US 1988-189815, filed on 3
May 1988, now abandoned Ser. No. Ser. No. US
1988-250446, filed on 26 Sep 1988, now abandoned Ser.
No. Ser. No. US 1989-324481, filed on 16 Mar 1989, now
abandoned Ser. No. Ser. No. US 1989-373882, filed on
                                                                                                                                                                      19970318
                                                                                     US 5612216
 APPLICATION INFO.:
RELATED APPLN. INFO.:
                                                                                   Jun 1989, now abandoned And Ser. No. US 1989-456647, filed on 22 Dec 1989, now abandoned
 DOCUMENT TYPE:
                                                                                   Utility
Granted
 FILE SEGMENT:
PRIMARY EXAMINER:
                                                                                   Cunningham, Thomas M.
Sterne, Kessler, Goldstein & Fox P.L.L.C.
PRIMARY EXAMINER:
LEGAL REPRESENTATIVE:
NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
                                                                                    33 Drawing Figure(s); 25 Drawing Page(s)
LINE COUNT: 5205
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
                       DEXING IS AVAILABLE FOR THIS PATENT. The present invention relates to intercellular adhesion molecules (ICAM-1) which are involved in the process through which lymphocytes recognize and migrate to sites of inflammation as well as attach to cellular substrates during inflammation. The invention is directed toward such molecules, screening assays for identifying such molecules and antibodies capable of binding such molecules. The invention also includes uses for adhesion molecules and for the antibodies that are capable of binding them.
```

1998:104404 USPATFULL
Implantable biocompatible immunoisolatory vehicle for
delivery of selected therapeutic products
Dionne, Keith E., Rehoboth, MA, United States
Dionne, Keith E., Rehoboth, MA, United States
Emerich, Dwaine F., Providence, RI, United States
Hoffman, Diane, Cambridge, MA, United States
Schaperg, Paul R., Spring Hill, FL, United States
Christenson, Lisa, New Haven, CT, United States
Hegre, Orion D., Green Valley, AZ, United States
Scharp, David W., St. Louis, MO, United States
Lacy, Paul E., Webster Grove, MO, United States
Aebiacher, Patrick, Lutry, Switzerland
Vasconcellos, Alfred V., Cranston, RI, United States
Lysaght, Michael J., E. Greenwich, RI, United States
Gentile, Frank T., Warwich, RI, United States
Grown University Research Poundation, United States
(U.S. corporation)

DATE

19980901

KIND

1998:104404 USPATFULL

NUMBER

US 5800828

```
LS ANSWER 59 OF 66 USPATFULL ACCESSION NUMBER: 1998-100
                                                                                                                                  SPATFULL
1998:101409 USPATFULL
Implantable biocompatible immunoisolatory vehicle for
delivery of selected therapeutic products
Dionne, Keith E., Rehoboth, MA, United States
Emerich, Dwaine F., Providence, RI, United States
Hoffman, Diane, Cambridge, MA, United States
Hoffman, Diane, Cambridge, MA, United States
Sanberg, Paul R., Spring Hill, FL, United States
Christenson, Lisa, New Haven, CT, United States
Hegre, Orion D., Green Valley, AZ, United States
Scharp, David W., St. Louis, MO, United States
Lacy, Paul E., Webster Grove, MO, United States
Lacy, Paul E., Webster Grove, MO, United States
Aebischer, Patrick, Lutry, Switzerland
Vasooncellos, Alfred V., Cranston, RI, United States
Lysaght, Michael J., Greenwich, RI, United States
Gentile, Frank T., Warwich, RI, United States
Brown University Research Foundation, United States
    INVENTOR(S):
     PATENT ASSIGNEE(S):
                                                                                                                                                                                               KIND
                                                                                                                                                                NUMBER
                                                                                                                                                                                                                                                                            DATE
                                                                                                                                  US 5798113 19980825
US 1995-449524 19950524 (8)
Division of Ser. No. US 1994-179151, filed on 10 Jan
1994 which is a continuation-in-part of Ser. No. US
1991-692403, filed on 25 Apr 1991, now abandoned
Utility
Granted
Bawa, Raj
Elifi, Ivor R., Levin, Mintz
33
     PATENT INFORMATION:
     APPLICATION INFO.:
RELATED APPLN. INFO.:
OCCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Bawa, Raj
LEGAL REPRESENTATIVE: Elrif: Ivor R., Levin, Mintz
NUMBER OF CLAIMS: 33
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 12 Drawing Figure(s); 9 Drawing Page(s)
LINE COUNT: 3901
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A method of providing a biologically active molecule or metabolic or immunologic function to a patient, comprising implanting into the body of the patient at least one immunoisolatory vehicle comprising a core comprising a volume in excess of 1. mu.1 and at least about 10. sup.4 living cells dispersed in a biocompatible matrix formed of a hydrogel or extracellular matrix components, said cells being capable of
                                       secreting a biologically active product or of providing a metabolic or immunologic function to the patient; and an external jacket surrounding said core, said jacket being formed from a thermoplastic or hydrogel, said jacket being free of said cells projecting externally therefrom, said jacket being biocompatible and having a molecular
                                     cutoff permitting passage of molecules between the patient and the core through said jacket to provide said biologically active product of function.
```

ANSWER 61 OF 66 USPATFULL SPATFULL

96:105992 USPATFULL

Local polymeric gel therapy
Slepian, Marvin, Tucson, AZ, United States
Massia, Stephen P., Tucson, AZ, United States
Endoluminal Therapeutics, Inc., Tucson, AZ, United
States (U.S. corporation) ACCESSION NUMBER: TITLE: INVENTOR(S): PATENT ASSIGNEE(S): KIND DATE NUMBER US 5575815 19961119
US 1993-132745 19931006 (8)
Continuation-in-part of Ser. No. US 1993-118978, filed on 9 Sep 1993, now abandoned which is a continuation-in-part of Ser. No. US 1992-987357, filed on 7 Dec 1992, now abandoned which is a continuation PATENT INFORMATION: APPLICATION INFO.: RELATED APPLN. INFO.: Ser. No. US 1992-857700, filed on 25 Mar 1992, now patented, Pat. No. US 5213580 which is a continuation of Ser. No. US 1990-593302, filed on 3 Oct 1990, now abandoned which is a continuation of Ser. No. US 1988-235998, filed on 24 Aug 1988, now abandoned Utility Granted Brittingham, Debra S. Arnall Golden & Gregory 24 DOCUMENT TYPE FILE SEGMENT PRIMARY EXAMINER LEGAL REPRESENTATIVE: NUMBER OF CLAIMS: EXEMPLARY CLAIM: NUMBER OF DRAWINGS: 22 Drawing Figure(s); 6 Drawing Page(s) NUMBER OF DRAWINGS: 22 Drawing Figure(s); 6 Drawing Page(s)
LINE COUNT: 1204
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for providing a synthetic barrier made of biocompatible polymeric materials in vivo which involves application of a material to a tissue or cellular surface such as the interior surface of a blood vessel, tissue lumen or other hollow space, is disclosed herein. The material may also be applied to tissue contacting surfaces of implantable medical devices. The polymeric materials are characterized by a fluent state which allows application to and, preferably adhesion to, tissue lumen surfaces, which can be increased or altered to a second less fluent state in situ; controlled permeability and degradability; and, in some embodiments, incorporation of bioactive materials for release in vivo, either to the tissue lumen surface or to the interior of the lumen.

TITLE: INVENTOR(S):

NUMBER OF CLAIMS: EXEMPLARY CLAIM: NUMBER OF DRAWINGS:

2252 CAS INDEXING IS AVAILABLE FOR THIS PATENT

LINE COUNT:

AB This is biocompatible

and

L5 ANSWER 62 OF 66 USPATFULL ACCESSION NUMBER: 96:1038

```
96:101898 USPATFULL
Gels for encapsulation of biological materials
Hubbell, Jeffrey A., Austin, TX, United States
Pathak, Chandrashekhar P., Waltham, MA, United States
Sawhney, Amarpreet S., Newton, MA, United States
Desai, Neil P., Los Angeles, CA, United States
Hill-West, Jennifer L., Austin, TX, United States
Hossainy, Syed F. A., Austin, TX, United States
Board of Regents, The University of Texas System,
Austin, TX, United States (U.S. corporation)
  PATENT ASSIGNEE(S):
                                                                                                                                                                               R KIND DATE
                                                                                                                                                 NUMBER
                                                                                                                       US 5573934 19961112
US 1993-24657 19930301 (8)
Continuation-in-part of Ser. No. US 1992-958870, filed on 7 Oct 1992, now patented, Pat. No. US 5529914 which is a continuation-in-part of Ser. No. US 1992-870540, filed on 20 Apr 1992, now abandoned
  PATENT INFORMATION:
  APPLICATION INFO.:
RELATED APPLN. INFO.:
filed on 20 Apr 1992, now abandoned

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Lilling, Herbert J.
LEGAL REPRESENTATIVE: Arnall Golden & Gregory
NUMBER OF CLAIMS: 16
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 20 Drawing Figure(s): 14 Drawing Page(s)
LINE COUNT: 2186
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Water soluble macromera are modified by addition of free radical polymerizable groups, such as those containing a carbon-carbon double or
                                   triple bond, which can be polymerized under mild conditions to encapsulate tissues, cells, or biologically active materials. The polymeric materials are particularly useful as tissue adhesives, coatings for tissue lumens including blood vessels, coatings for cells such as islets of Langerhans, coatings, plugs, supports or substrates for contact with biological materials such as the body, and as drug delivery devices for biologically active molecules.
```

96:103898 USPATFULL

```
ANSWER 64 OF 66 USPATFULL
                                                                                              SPATFULL
96:55671 USPATFULL
Gele for encapsulation of biological materials
Hubbell, Jeffrey A., Concord, MA, United States
Pathak, Chandrashekhar P., Austin, TX, United States
Pathak, Chandrashekhar P., Austin, TX, United States
Sawhney, Amarpreet S., Newton, MA, United States
Dessi, Neil P., Los Angeles, CA, United States
Hossainy, Syed F. A., Austin, TX, United States
The Board of Regents the University of Texas System,
Austin, TX, United States (U.S. corporation)
 ACCESSION NUMBER:
 TITLE:
 INVENTOR (S)
PATENT ASSIGNEE(S):
                                                                                        US 5529914 19960625
US 1992-958870 19921007 (7)
Continuation-in-part of Ser. No. US 1992-870540, filed on 20 Apr 1992 Ser. No. Er. No. US 1990-598880, filed on 15 Oct 1990, now abandoned And Ser. No. US 1991-740703, filed on 5 Aug 1991, now patented, Pat. No. US 5380536 which is a division of Ser. No. US 1991-740632, filed on 5 Aug 1991, now patented, Pat. No. US 5322984, said Ser. No. US -070540 which is a continuation-in-part of Ser. No. US 1992-843485, filed on 28 Feb 1992, now abandoned Utility Granted Lilling, Herbert
 PATENT INFORMATION:
 APPLICATION INFO.:
RELATED APPLN. INFO.:
 DOCUMENT TYPE:
                                                                                                Lilling, Herbert J.
Lyon & Lyon
69
 PRIMARY EXAMINER
  LEGAL REPRESENTATIVE:
```

membranes around biological materials using photopolymerization of soluble molecules. The membranes can be used as a covering to encapsulate biological materials or biomedical devices, so a "glue" to cause more than one biological substance to adhere together, or as carriers for biologically active species. Several methods for forming these membranes are provided. Each of these membranes are provided. Each of these membranes are provided active species, several methods utilizes a polymerization system containing water-soluble macromers, species which are at once polymers and macromolecules capable of further polymerization. The macromers are polymerized using a photoinitiator (such as a dye), optionally a cocatalyst, optionally an accelerator,

This invention provides novel methods for the formation of

17 Drawing Figure(s); 12 Drawing Page(s)

radiation in the form of visible or long wavelength UV light. The reaction occurs either by suspension polymerization or by interfacial polymerization. The polymer membrane can be formed directly on the surface of the biological material, or it can be formed on material which is already encapsulated.

```
L5 ANSWER 63 OF 66
ACCESSION NUMBER:
TITLE:
Holland, Laura M., Providence, RI, United States
Holland, Laura M., Providence, RI, United States
Hammang, Joseph P., Barrington, RI, United States
Rudnick, Seth A., Barrington, RI, United States
Lysspht, Michael J., E. Greenwich, RI, United States
Dionne, Keith E., Rehoboth, MA, United States
CytoTherapeutics, Inc., Providence, RI, United States
(U.S. corporation)
                                                                                                                                                      DATE
                                                                                                                KIND
                                                                                          NUMBER
                                                                           US 5550050
US 1994-228403
Utility
Granted
 PATENT INFORMATION:
                                                                                                                                                        19960827
 APPLICATION INFO.:
DOCUMENT TYPE:
FILE SEGMENT:
                                                                                                                                                        19940415 (8)
```

FILE SEGMENT:
PRIMARY EXAMINER:
LEGAL REPRESENTATIVE:
NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS: Rollins, John W. Fish & Neave, Elrifi, Ivor R., Ruskin, Barbara A.

21 Drawing Figure(s); 8 Drawing Page(s)

ANSWER 65 OF 66 USPATFULL

ACCESSION NUMBER

TITLE

NUMBER OF DRAWINGS: 21 Drawing Figure(a); 8 Drawing Page(a)
LINE COUNT:
1632

AB This invention provides methods for implanting encapsulated cells in a
host comprising exposing cells to restrictive conditions for a
sufficient period of time to establish a desired cell property in
response to the restrictive conditions and implanting the encapsulated
cells in a host, the cell property being substantially maintained
following implantation. Also provided are cells produced by exposure to
restrictive conditions.

```
adhesion
                                                                                       molecule-1
                                                                                     molecule-1
Springer, Timothy A., Newtown, MA, United States
Rothlein, Robert, Danbury, CT, United States
Marlin, Steven D., Danbury, CT, United States
Dustin, Michael L., University City, MO, United States
The Dans Farber Cancer Institute, Boston, MA, United
States (U.S. corporation)
 INVENTOR (S):
 PATENT ASSIGNEE(S):
                                                                                                                            KIND DATE
                                                                                                      NUMBER
                                                                                     US 5475091 19951212 (8)
US 1994-186457 19940125 (8)
Division of Ser. No. US 1990-15478, filed on 27 Apr
1990, now patented, Pat. No. US 5284931 which is a
continuation-in-part of Ser. No. US 1987-45963, filed
on 4 May 1987, now abandoned And a
 PATENT INFORMATION:
  APPLICATION INFO.:
RELATED APPLN. INFO.:
 continuation-in-part
                                                                                      of Ser. No. US 1987-115798, filed on 2 Nov 1987, now abandoned Ser. No. Ser. No. US 1988-155943, filed on
 16
                                                                                     Feb 1988, now abandoned Ser. No. Ser. No. US
1988-189815, filed on 3 May 1988, now abandoned Ser.
No. Ser. No. US 1988-250446, filed on 28 Sep 1988, no
abandoned Ser. No. Ser. No. US 1989-324481, filed on
 16
                                                                                      Mar 1989, now abandoned Ser. No. Ser. No. US
1989-373882, filed on 19 Jun 1989, now abandoned And
Ser. No. US 1989-456647, filed on 22 Dec 1989, now
abandoned
                                                                                     Granted
Chan, Christina Y.
Sterne, Kessler, Goldstein & Fox
 DOCUMENT TYPE:
   FILE SEGMENT
 FILE SEGMENT:
PRIMARY EXAMINER:
LEGAL REPRESENTATIVE:
NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS:
NUMBER OF CLAIMS: 2

EXEMPLARY CLAIM: 1,2

NUMBER OF DRAWINGS: 31 Drawing Figure(s); 25 Drawing Page(s)

LINE COUNT: 5026

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to intercellular adhesion molecules

(ICAM-1) which are involved in the process through which lymphocytes

recognize and migrate to sites of inflammation as well as attach to
cellular substrates during inflammation. The invention is directled

toward such molecules, screening assays for identifying such molecules
and antibodies capable of binding such molecules. The invention also
includes uses for adhesion molecules and for the antibodies that are
capable of binding them.
```

95:110539 USPATFULL R6-5-D6, an antibody which binds intercellular

L5 ANSHER 66 OF 66 USPATFULL
ACCESSION NUMBER: 94:11498 USPATFULL
TITLE: Intercellular adhesion molecules, and their binding ligands springer, Timothy A., Newton, MA, United States Rothlein, Robert, Danbury, CT, United States Marlin, Steven D., Danbury, CT, United States Dustin, Michael L., University City, MO, United States Dustin, Michael L., University City, MO, United States Dana Farber Cancer Institute, Boston, MA, United

(U.S. corporation)

NUMBER KIND DATE PATENT INFORMATION:

APPLICATION INFO.: RELATED APPLN. INFO.:

NUMBER KIND DATE

US 5284931 19940208
US 1990-515478 19900427 (7)
Continuation-in-part of Ser. No. US 1989-456647, filed on 22 Dec 1989 which is a continuation-in-part of Ser. No. US 1987-which is a continuation-in-part of Ser. No. US 1987-115798, filed on 2 Nov 1987 which is a continuation-in-part of Ser. No. US 1988-159815, filed on 2 Nov 1987 which is a continuation-in-part of Ser. No. US 1988-159815, filed on 16 Feb 1988 which is a continuation-in-part of Ser. No. US 1988-198915, filed on 3 May 1988 which is a continuation-in-part of Ser. No. US 1989-32481, filed on 16 Mar 1989 which is a continuation-in-part of Ser. No. US 1989-33481, filed on 16 Mar 1989 which is a continuation-in-part of Ser. No. US 1989-373882, filed on 30 Jun 1989 which is a continuation-in-part of Ser. No. US 1989-456647, filed on 22 Dec 1989
Utility
Granted
Nucker, Christine M.
Cunningham, Thomas
Sterne, Kessler, Goldstein & Fox
11
26 Drawing Figure(a); 25 Drawing Page(a)

On 22 Dec 1989

Utility

FILE SEGMENT: Granted

PRIMARY EXAMINER: Cunningham, Thomas

LEGAL REPRESENTATIVE: Sterne, Kessler, Goldstein & Fox

NUMBER OF CLAIMS: 11

EXEMPLARY CLAIM: 1

EXEMPLARY CLAIM: 12

EXEMPLARY CLAIM: 16

EXEMPLARY CLAIM: 17

EXEMPLARY CLAIM: 17

EXEMPLARY CLAIM: 17

EXEMPLARY CLAIM: 16

EXEMPLARY CLAIM: 17

EXEMPLARY CLAIM: 17

EXEMPLARY CLAIM: 17

EXEMPLARY CLAIM: 17

AND BE OF DRAWINGS: 16

Drawing Figure (a); 25 Drawing Page (a)

LINE COUNT: 4753

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Pharmaceutical compositions comprising antibodies to intercellular adhesion molecule-1 (ICAM-1 or CD54) are useful in methods of decreasing

adhesion molecule-1 (ICAM-1 or CD54) are useful in methods of decreasing
the severity of inflammation associated with the adhesion of leukocytes to cells bearing ICAM-1. Treatment with anti-ICAM-1 antibodies reduced the severity of inflammation associated with acute organ or tissue rejection and prolonged allograft survival time. Such compositions may optionally contain other immunsuppressive agents.